

| Technical Data     |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                           |  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 产品说明               |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                           |  |
| Makrolon® 2856     |                                                                                                                                                                                           | MVR (300°C/1.2 kg) 9.0 cm³/10 min; food contact quality; medium viscosity; easy release; injection molding - melt temperature 280 - 320°C; available in transparent, translucent and opaque colors                                                                                                 |                                                                                                                                                                                           |  |
| Makrolon® 2858     |                                                                                                                                                                                           | MVR (300°C/1.2 kg) 9.0 cm³/10 min; medical devices; suitable for ETO and steam sterilization at 121°C; biocompatible according to many ISO 10993-1 test requirements; medium viscosity; easy release; injection molding - melt temperature 280 - 320°C; available in transparent and opaque colors |                                                                                                                                                                                           |  |
| Makrolon® 3258     |                                                                                                                                                                                           | MVR (300°C/1.2 kg) 5.0 cm³/10 min; medical devices; suitable for ETO and steam sterilization at 121°C; biocompatible according to many ISO 10993-1 test requirements; high viscosity; easy release; injection molding - melt temperature 290 - 330°C; available in transparent and opaque colors   |                                                                                                                                                                                           |  |
| 总览                 | Makrolon® 2856                                                                                                                                                                            | Makrolon® 2858                                                                                                                                                                                                                                                                                     | Makrolon® 3258                                                                                                                                                                            |  |
| 生产商/供应商            | • Covestro - Polycarbonates                                                                                                                                                               | • Covestro - Polycarbonates                                                                                                                                                                                                                                                                        | • Covestro - Polycarbonates                                                                                                                                                               |  |
| 通用符号               | • PC                                                                                                                                                                                      | • PC                                                                                                                                                                                                                                                                                               | • PC                                                                                                                                                                                      |  |
| 材料状态               | • 已商用：当前有效                                                                                                                                                                                | • 已商用：当前有效                                                                                                                                                                                                                                                                                         | • 已商用：当前有效                                                                                                                                                                                |  |
| 资料 <sup>1</sup>    | • Technical Datasheet (Chinese (Traditional))<br>• Technical Datasheet (Chinese)<br>• Technical Datasheet (English)<br>• Technical Datasheet (German)<br>• Technical Datasheet (Japanese) | • Technical Datasheet (Chinese (Traditional))<br>• Technical Datasheet (Chinese)<br>• Technical Datasheet (English)<br>• Technical Datasheet (German)<br>• Technical Datasheet (Japanese)                                                                                                          | • Technical Datasheet (Chinese (Traditional))<br>• Technical Datasheet (Chinese)<br>• Technical Datasheet (English)<br>• Technical Datasheet (German)<br>• Technical Datasheet (Japanese) |  |
| UL 黄卡 <sup>2</sup> | • E41613-233141                                                                                                                                                                           | • E41613-233141                                                                                                                                                                                                                                                                                    | • E41613-233145                                                                                                                                                                           |  |
| 搜索 UL 黄卡           | • Covestro - Polycarbonates<br>• Makrolon®                                                                                                                                                | • Covestro - Polycarbonates<br>• Makrolon®                                                                                                                                                                                                                                                         | • Covestro - Polycarbonates<br>• Makrolon®                                                                                                                                                |  |
| 供货地区               | • 北美洲<br>• 非洲和中东<br>• 拉丁美洲<br>• 欧洲<br>• 亚太地区                                                                                                                                              | • 北美洲<br>• 非洲和中东<br>• 拉丁美洲<br>• 欧洲<br>• 亚太地区                                                                                                                                                                                                                                                       | • 北美洲<br>• 非洲和中东<br>• 拉丁美洲<br>• 欧洲<br>• 亚太地区                                                                                                                                              |  |
| 特性                 | • 食品接触的合规性<br>• 脱模性能良好<br>• 中等粘性                                                                                                                                                          | • 环氧乙烷消毒<br>• 生物兼容性<br>• 脱模性能良好<br>• 用蒸汽消毒<br>• 中等粘性                                                                                                                                                                                                                                               | • 高粘度<br>• 环氧乙烷消毒<br>• 生物兼容性<br>• 脱模性能良好<br>• 用蒸汽消毒                                                                                                                                       |  |
| 用途                 | --                                                                                                                                                                                        | • 医疗/护理用品<br>• 医疗器械                                                                                                                                                                                                                                                                                | • 医疗/护理用品<br>• 医疗器械                                                                                                                                                                       |  |
| 机构评级               | --                                                                                                                                                                                        | • ISO 10993-第一部分                                                                                                                                                                                                                                                                                   | • ISO 10993-第一部分                                                                                                                                                                          |  |
| RoHS 合规性           | • RoHS 合规                                                                                                                                                                                 | • RoHS 合规                                                                                                                                                                                                                                                                                          | • RoHS 合规                                                                                                                                                                                 |  |

| 总览   | Makrolon®<br>2856                                                                          | Makrolon®<br>2858                                                                                                                                                                                                                                                                                                                                                                                   | Makrolon®<br>3258                                                              |
|------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 外观   | <ul style="list-style-type: none"><li>半透明</li><li>不透明</li><li>可用颜色</li><li>清晰/透明</li></ul> | <ul style="list-style-type: none"><li>不透明</li><li>可用颜色</li><li>清晰/透明</li></ul>                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>不透明</li><li>可用颜色</li><li>清晰/透明</li></ul> |
| 加工方法 | <ul style="list-style-type: none"><li>注射成型</li></ul>                                       | <ul style="list-style-type: none"><li>注射成型</li></ul>                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>注射成型</li></ul>                           |
| 多点数据 | --                                                                                         | <ul style="list-style-type: none"><li>Creep Modulus vs. Time (ISO 11403-1)</li><li>Isochronous Stress vs. Strain (ISO 11403-1)</li><li>Isothermal Stress vs. Strain (ISO 11403-1)</li><li>Secant Modulus vs. Strain (ISO 11403-1)</li><li>Shear Modulus vs. Temperature (ISO 11403-1)</li><li>Specific Volume vs Temperature (ISO 11403-2)</li><li>Viscosity vs. Shear Rate (ISO 11403-2)</li></ul> | --                                                                             |

| 物理性能                             | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制       | 测试方法         |
|----------------------------------|-------------------|-------------------|-------------------|-----------|--------------|
| 密度 (23°C)                        | 1.20              | 1.20              | 1.20              | g/cm³     | ISO 1183     |
| 表观密度 <sup>4</sup>                | 0.66              | 0.66              | 0.66              | g/cm³     | ISO 60       |
| 熔流率 ( 熔体流动速率 ) (300°C/1.2 kg)    | 10                | 10                | 5.5               | g/10 min  | ISO 1133     |
| 熔融体积流量 ( MVR ) (300°C/1.2 kg)    | 9.0               | 9.0               | 5.0               | cm³/10min | ISO 1133     |
| 收缩率                              |                   |                   |                   |           |              |
| 垂直                               | 0.60 到 0.80       | 0.60 到 0.80       | 0.60 到 0.80       | %         | ISO 2577     |
| 流动                               | 0.60 到 0.80       | 0.60 到 0.80       | 0.60 到 0.80       | %         | ISO 2577     |
| 垂直 : 280°C, 2.00 mm <sup>5</sup> | 0.75              | 0.75              | 0.75              | %         | ISO 294-4    |
| 流动 : 2.00 mm <sup>5</sup>        | 0.70              | 0.70              | 0.70              | %         | ISO 294-4    |
| 吸水率                              |                   |                   |                   |           | ISO 62       |
| 饱和, 23°C                         | 0.30              | 0.30              | 0.30              | %         |              |
| 平衡, 23°C, 50% RH                 | 0.12              | 0.12              | 0.12              | %         |              |
| 机械性能                             | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制       | 测试方法         |
| 拉伸模量 (23°C)                      | 2400              | 2400              | 2400              | MPa       | ISO 527-1/1  |
| 拉伸应力                             |                   |                   |                   |           | ISO 527-2/50 |
| 屈服, 23°C                         | 65.0              | 66.0              | 66.0              | MPa       |              |
| 断裂, 23°C                         | 70.0              | 70.0              | 70.0              | MPa       |              |
| 拉伸应变                             |                   |                   |                   |           | ISO 527-2/50 |
| 屈服, 23°C                         | 6.2               | 6.1               | 6.2               | %         |              |
| 断裂, 23°C                         | 130               | 130               | 120               | %         |              |

| 机械性能                                                     | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制              | 测试方法         |
|----------------------------------------------------------|-------------------|-------------------|-------------------|------------------|--------------|
| 标称拉伸断裂应变 (23°C)                                          | > 50              | > 50              | > 50              | %                | ISO 527-2/50 |
| 拉伸蠕变模量                                                   |                   |                   |                   |                  | ISO 899-1    |
| 1 hr                                                     | 2200              | 2200              | 2200              | MPa              |              |
| 1000 hr                                                  | 1900              | 1900              | 1900              | MPa              |              |
| 弯曲模量 <sup>6</sup> (23°C)                                 | 2400              | 2400              | 2400              | MPa              | ISO 178      |
| 弯曲应力 <sup>6</sup>                                        |                   |                   |                   |                  | ISO 178      |
| 23°C                                                     | 97.0              | 97.0              | 96.0              | MPa              |              |
| 3.5% 应变, 23°C                                            | 73.0              | 73.0              | 73.0              | MPa              |              |
| Flexural Strain at Flexural Strength <sup>7</sup> (23°C) | 7.1               | 7.1               | 7.1               | %                | ISO 178      |
| 薄膜                                                       | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制              | 测试方法         |
| 水气透过率 (23°C, 85% RH, 100 µm)                             | 15                | --                | --                | g/m²/24 hr       | ISO 15106-1  |
| Carbon Dioxide Permeability (23°C, 25.4 µm)              | 16900             | --                | --                | cm³/m²/bar/24 hr | ISO 2556     |
| Gas Permeation                                           |                   |                   |                   |                  | ISO 2556     |
| Carbon Dioxide : 100.0 µm                                | 3800              | 3800              | --                | cm³/m²/bar/24 hr |              |
| Nitrogen : 25.4 µm                                       | 510               | --                | --                | cm³/m²/bar/24 hr |              |
| Nitrogen : 100.0 µm                                      | 120               | 120               | --                | cm³/m²/bar/24 hr |              |
| Oxygen : 25.4 µm                                         | 2760              | --                | --                | cm³/m²/bar/24 hr |              |
| Oxygen : 100.0 µm                                        | 650               | 650               | --                | cm³/m²/bar/24 hr |              |
| 冲击性能                                                     | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制              | 测试方法         |
| 简支梁缺口冲击强度 <sup>8</sup>                                   |                   |                   |                   |                  | ISO 179/1eA  |
| -30°C, 完全断裂                                              | 16                | 16                | 16                | kJ/m²            |              |
| 23°C, 局部断裂                                               | 75                | 75                | 80                | kJ/m²            |              |
| 简支梁无缺口冲击强度                                               |                   |                   |                   |                  | ISO 179/1eU  |
| -60°C                                                    | 无断裂               | 无断裂               | 无断裂               |                  |              |
| -30°C                                                    | 无断裂               | 无断裂               | 无断裂               |                  |              |
| 23°C                                                     | 无断裂               | 无断裂               | 无断裂               |                  |              |
| 悬壁梁缺口冲击强度 <sup>8</sup>                                   |                   |                   |                   |                  | ISO 180/A    |
| -30°C, 完全断裂                                              | 15                | 15                | 20                | kJ/m²            |              |
| 23°C, 局部断裂                                               | 70                | 70                | 75                | kJ/m²            |              |
| 多轴向仪器化冲击能量                                               |                   |                   |                   |                  | ISO 6603-2   |
| -30°C                                                    | 65.0              | 65.0              | 75.0              | J                |              |
| 23°C                                                     | 60.0              | 60.0              | 65.0              | J                |              |



| 冲击性能                      | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制      | 测试方法           |
|---------------------------|-------------------|-------------------|-------------------|----------|----------------|
| 多轴向仪器化冲击力峰值               |                   |                   |                   |          | ISO 6603-2     |
| -30°C                     | 6300              | 6300              | 6700              | N        |                |
| 23°C                      | 5400              | 5400              | 5800              | N        |                |
| 硬度                        | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制      | 测试方法           |
| 球压硬度                      | 115               | 115               | 113               | MPa      | ISO 2039-1     |
| 热性能                       | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制      | 测试方法           |
| 载荷下热变形温度                  |                   |                   |                   |          |                |
| 0.45 MPa, 未退火             | 137               | 137               | 139               | °C       | ISO 75-2/B     |
| 1.8 MPa, 未退火              | 125               | 125               | 127               | °C       | ISO 75-2/A     |
| 玻璃转化温度 <sup>9</sup>       | 145               | 145               | 147               | °C       | ISO 11357-2    |
| 维卡软化温度                    |                   |                   |                   |          |                |
| --                        | 146               | 146               | 149               | °C       | ISO 306/B120   |
| --                        | 145               | 145               | 148               | °C       | ISO 306/B50    |
| Ball Pressure Test        |                   |                   |                   |          | IEC 60695-10-2 |
| 136°C                     | 通过                | 通过                | --                |          |                |
| 139°C                     | --                | --                | 通过                |          |                |
| 线形热膨胀系数                   |                   |                   |                   |          | ISO 11359-2    |
| 流动：23 到 55°C              | 6.5E-5            | 6.5E-5            | 6.5E-5            | cm/cm/°C |                |
| 垂直：23 到 55°C              | 6.5E-5            | 6.5E-5            | 6.5E-5            | cm/cm/°C |                |
| 导热系数 <sup>10</sup> (23°C) | 0.20              | 0.20              | 0.20              | W/m/K    | ISO 8302       |
| RTI Elec (1.5 mm)         | 125               | --                | --                | °C       | UL 746B        |
| RTI Imp (1.5 mm)          | 115               | --                | --                | °C       | UL 746B        |
| RTI (1.5 mm)              | 125               | --                | --                | °C       | UL 746B        |

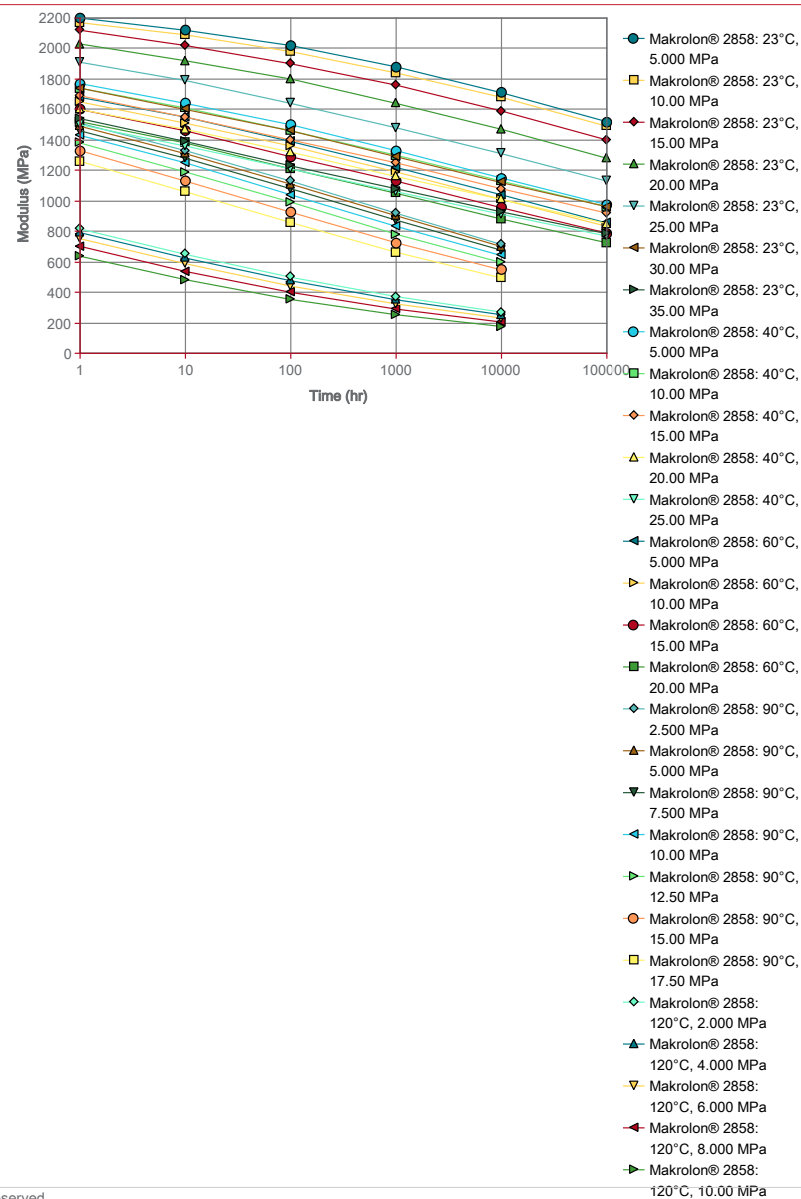
| 电气性能                                                 | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制     | 测试方法            |
|------------------------------------------------------|-------------------|-------------------|-------------------|---------|-----------------|
| 表面电阻率                                                | 1.0E+16           | 1.0E+16           | --                | ohms    | IEC 60093       |
| 体积电阻率 (23°C)                                         | 1.0E+16           | 1.0E+16           | --                | ohms·cm | IEC 60093       |
| 介电强度 (23°C, 1.00 mm)                                 | 34                | 34                | --                | kV/mm   | IEC 60243-1     |
| 相对电容率                                                |                   |                   |                   |         | IEC 60250       |
| 23°C, 100 Hz                                         | 3.10              | 3.10              | --                |         |                 |
| 23°C, 1 MHz                                          | 3.00              | 3.00              | --                |         |                 |
| 耗散因数                                                 |                   |                   |                   |         | IEC 60250       |
| 23°C, 100 Hz                                         | 5.0E-4            | 5.0E-4            | --                |         |                 |
| 23°C, 1 MHz                                          | 9.0E-3            | 9.0E-3            | --                |         |                 |
| 漏电起痕指数                                               |                   |                   |                   |         | IEC 60112       |
| 解决方案 A                                               | 250               | 250               | --                | V       |                 |
| 解决方案 B                                               | 125               | --                | --                | V       |                 |
| 可燃性                                                  | Makrolon®<br>2856 | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制     | 测试方法            |
| UL 阻燃等级                                              |                   |                   |                   |         | UL 94           |
| 2.5 mm                                               | HB                | --                | --                |         |                 |
| 0.75 mm                                              | V-2               | --                | --                |         |                 |
| 灼热丝易燃指数                                              |                   |                   |                   |         | IEC 60695-2-12  |
| 1.0 mm                                               | 850               | --                | --                | °C      |                 |
| 1.5 mm                                               | 875               | 850               | --                | °C      |                 |
| 3.0 mm                                               | 930               | 930               | --                | °C      |                 |
| 热灯丝点火温度                                              |                   |                   |                   |         | IEC 60695-2-13  |
| 0.75 mm                                              | 875               | 875               | --                | °C      |                 |
| 1.5 mm                                               | 875               | 875               | --                | °C      |                 |
| 3.0 mm                                               | 875               | 900               | --                | °C      |                 |
| 极限氧指数 <sup>11</sup>                                  | 28                | 28                | --                | %       | ISO 4589-2      |
| Application of Flame from Small Burner <sup>12</sup> | K1, F1            | --                | --                |         | DIN 53438-1, -3 |
| Flash Ignition Temperature                           | 480               | 480               | 480               | °C      | ASTM D1929      |
| Glow Wire Test                                       |                   |                   |                   |         | EDF HN60 E.02   |
| 1.50 mm                                              | 750               | --                | --                | °C      |                 |
| 3.00 mm                                              | 750               | --                | --                | °C      |                 |

| 可燃性                             | Makrolon®<br>2856            | Makrolon®<br>2858            | Makrolon®<br>3258            | 单位制 | 测试方法           |
|---------------------------------|------------------------------|------------------------------|------------------------------|-----|----------------|
| Needle Flame Test               |                              |                              |                              |     | IEC 60695-11-5 |
| 1.50 mm <sup>13</sup>           | 1.0                          | --                           | --                           | min |                |
| 1.50 mm <sup>14</sup>           | 0.1                          | --                           | --                           | min |                |
| 2.00 mm <sup>13</sup>           | 1.0                          | --                           | --                           | min |                |
| 2.00 mm <sup>14</sup>           | 0.1                          | --                           | --                           | min |                |
| 3.00 mm <sup>13</sup>           | 2.0                          | --                           | --                           | min |                |
| 3.00 mm <sup>14</sup>           | 0.2                          | --                           | --                           | min |                |
| Self Ignition Temperature       | 550                          | 550                          | 550                          | °C  | ASTM D1929     |
| 燃烧速率 <sup>15</sup> (> 1.00 mm)  | passed                       | --                           | --                           |     | ISO 3795       |
| 光学性能                            | Makrolon®<br>2856            | Makrolon®<br>2858            | Makrolon®<br>3258            | 单位制 | 测试方法           |
| 折射率 <sup>16</sup>               | 1.586                        | 1.586                        | 1.587                        |     | ISO 489        |
| 透射率                             |                              |                              |                              |     | ISO 13468-2    |
| 1000 µm                         | 89.0                         | 89.0                         | 89.0                         | %   |                |
| 2000 µm                         | 89.0                         | 89.0                         | 89.0                         | %   |                |
| 3000 µm                         | 88.0                         | 88.0                         | 88.0                         | %   |                |
| 4000 µm                         | 87.0                         | 87.0                         | 87.0                         | %   |                |
| 雾度 (3000 µm)                    | < 0.800                      | < 0.800                      | < 0.800                      | %   | ISO 14782      |
| 补充信息                            | Makrolon®<br>2856            | Makrolon®<br>2858            | Makrolon®<br>3258            | 单位制 | 测试方法           |
| Electrolytical Corrosion (23°C) | A1                           | --                           | --                           |     | IEC 60426      |
| ISO Shortname                   | ISO 7391-PC,MR,<br>(,,)-09-9 | ISO 7391-PC,MR,<br>(,,)-09-9 | ISO 7391-PC,MR,<br>(,,)-05-9 |     |                |
| 注射                              | Makrolon®<br>2856            | Makrolon®<br>2858            | Makrolon®<br>3258            | 单位制 |                |
| 干燥温度 - Dry Air Dryer            | 120                          | 120                          | 120                          | °C  |                |
| 干燥时间 - Dry Air Dryer            | 4.0                          | 4.0                          | 4.0                          | hr  |                |
| 建议的最大水分含量                       | < 0.020                      | < 0.020                      | < 0.020                      | %   |                |
| 建议注射量                           | 30 到 70                      | 30 到 70                      | 30 到 70                      | %   |                |
| 料筒后部温度                          | 250 到 270                    | 250 到 270                    | 250 到 270                    | °C  |                |
| 料筒中部温度                          | 270 到 290                    | 270 到 290                    | 270 到 290                    | °C  |                |
| 料筒前部温度                          | 285 到 305                    | 285 到 305                    | 285 到 305                    | °C  |                |
| 射嘴温度                            | 270 到 305                    | 270 到 305                    | 270 到 305                    | °C  |                |
| 加工 ( 熔体 ) 温度                    | 280 到 320                    | 280 到 320                    | 290 到 330                    | °C  |                |
| 模具温度                            | 70 到 110                     | 70 到 110                     | 70 到 110                     | °C  |                |

| 注射                | Makrolon®<br>2856                                                                                                               | Makrolon®<br>2858 | Makrolon®<br>3258 | 单位制 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-----|
| 背压                | 10.0 到 20.0                                                                                                                     | 10.0 到 20.0       | 10.0 到 20.0       | MPa |
| 排气孔深度             | 0.025 到 0.075                                                                                                                   | 0.025 到 0.075     | 0.025 到 0.075     | mm  |
| 注射说明              |                                                                                                                                 |                   |                   |     |
| Makrolon®<br>2856 | Peripheral Screw Speed: 0.05 - 0.2 m/s<br>Standard Melt Temperature: 300°C<br>Hold Pressure (% of Injection Pressure): 50 - 75% |                   |                   |     |
| Makrolon®<br>2858 | Hold Pressure (% of Injection Pressure): 50 - 75%<br>Standard Melt Temperature: 300°C<br>Peripheral Screw Speed: 0.05 - 0.2 m/s |                   |                   |     |
| Makrolon®<br>3258 | Peripheral Screw Speed: 0.05-0.2 m/s<br>Standard Melt Temperature: 310°C<br>Hold Pressure (% of Injection Pressure): 50-75%     |                   |                   |     |

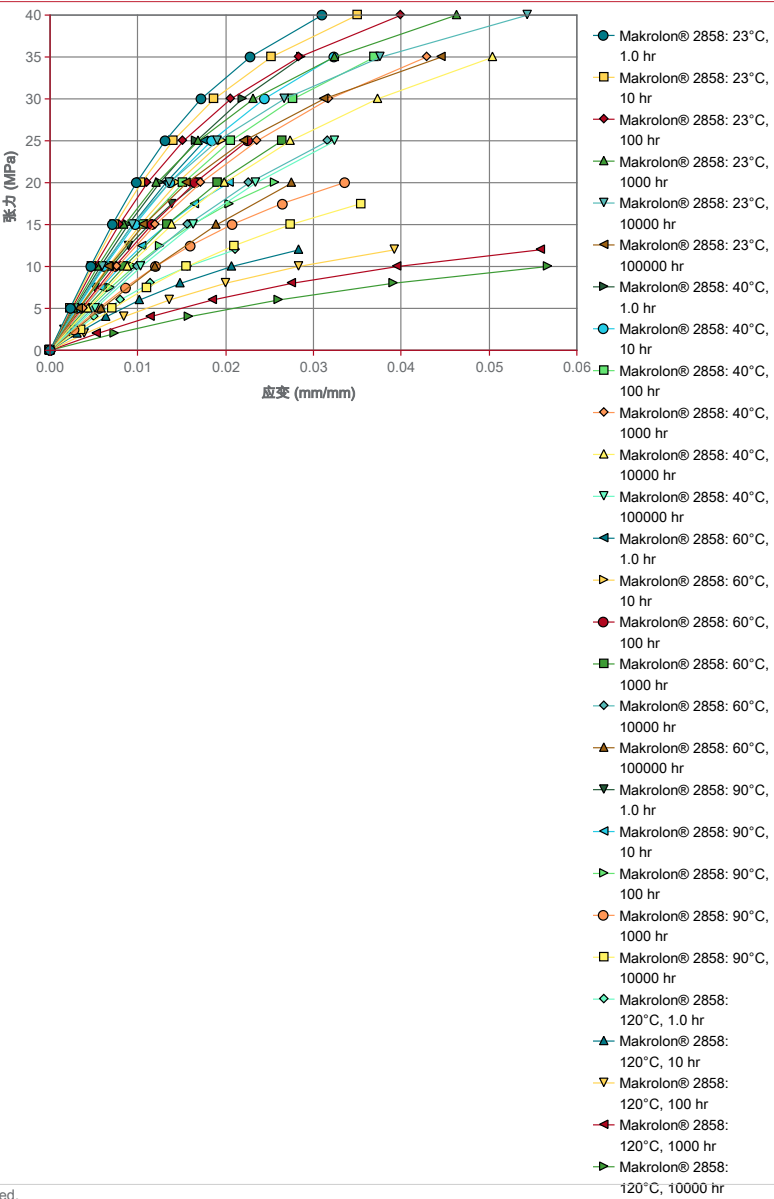


## Creep Modulus vs. Time (ISO 11403-1)

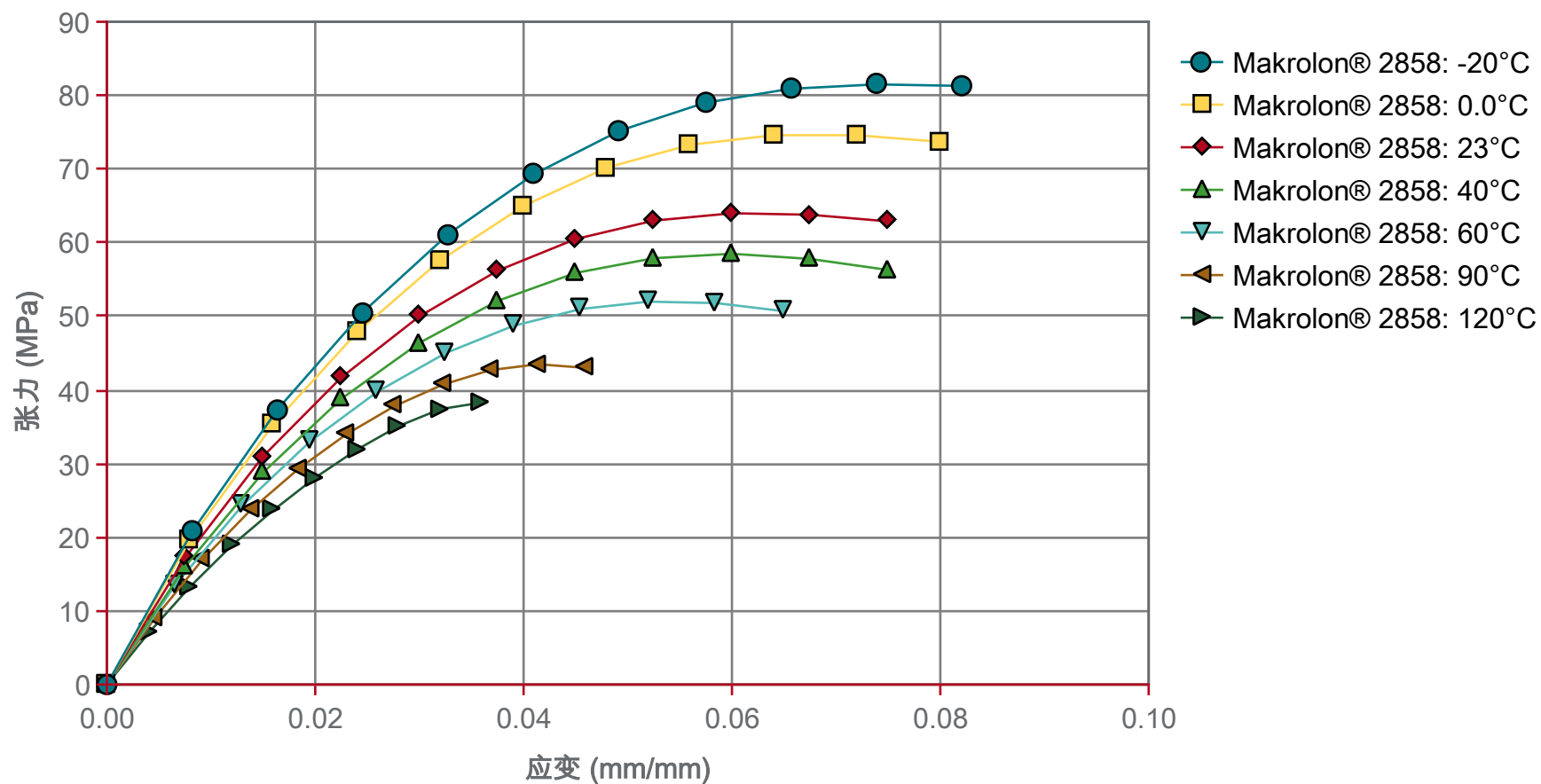




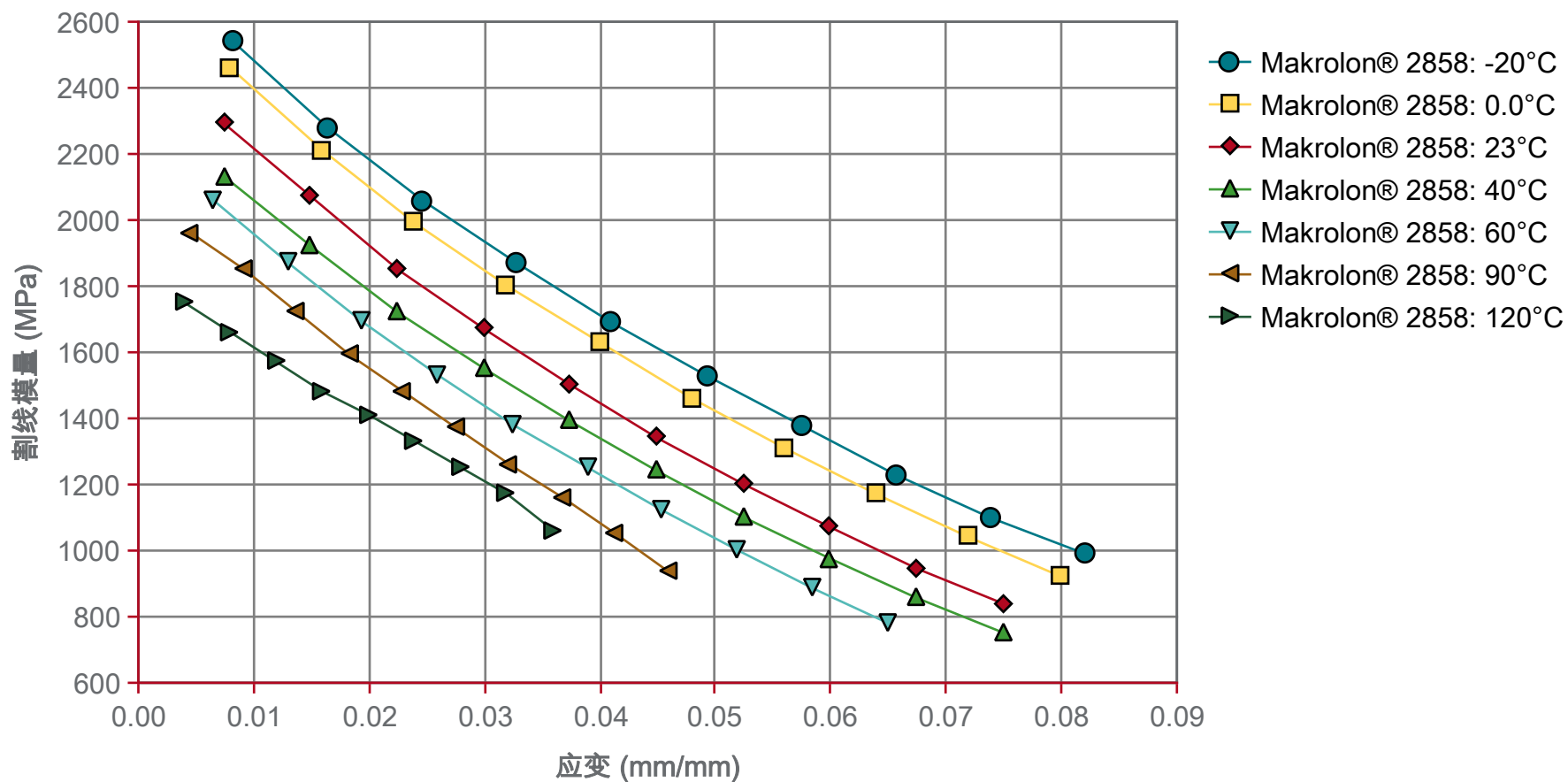
等温应力与应变 (ISO 11403-1)



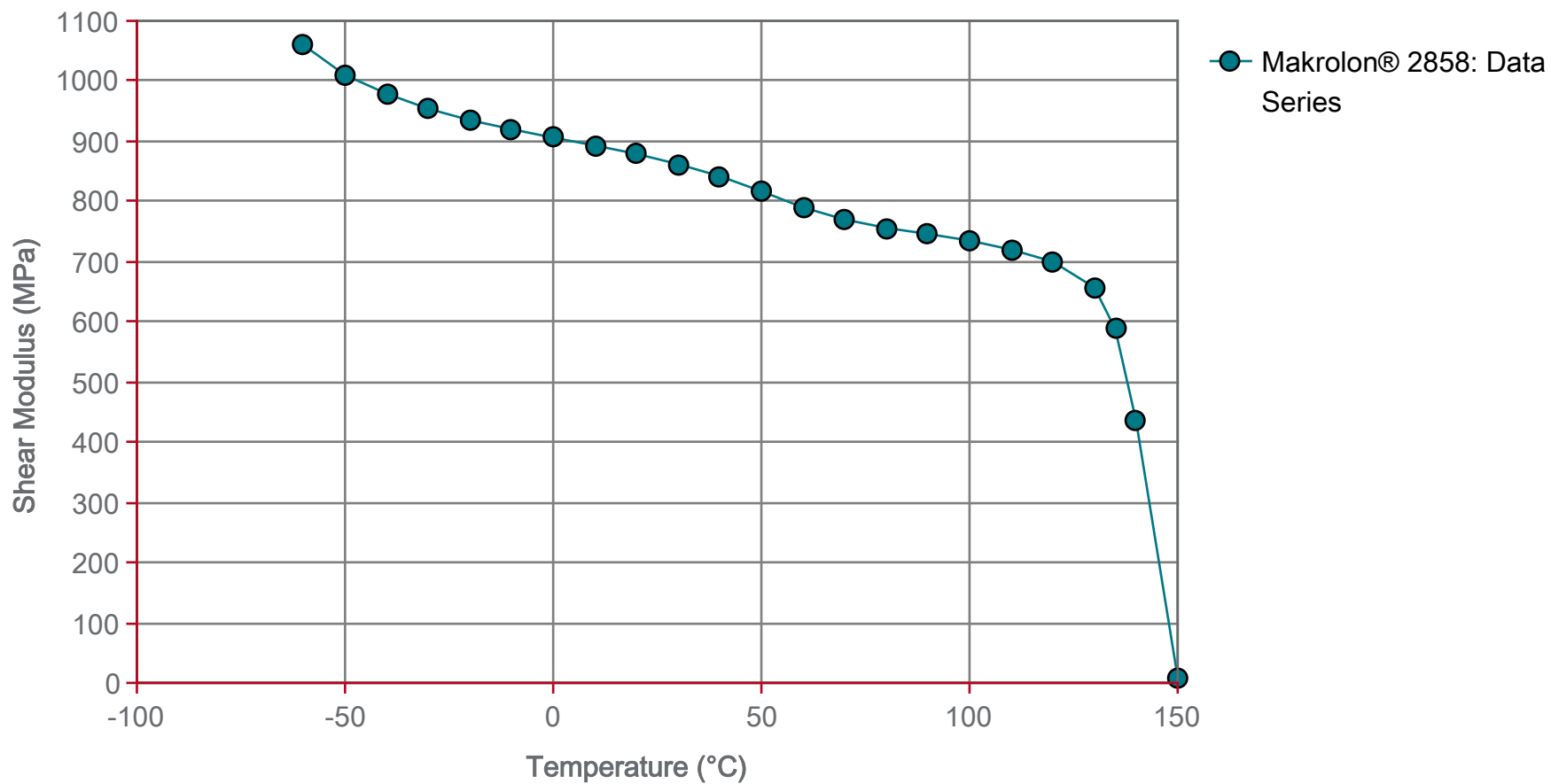
## 等温应力与应变 (ISO 11403-1)



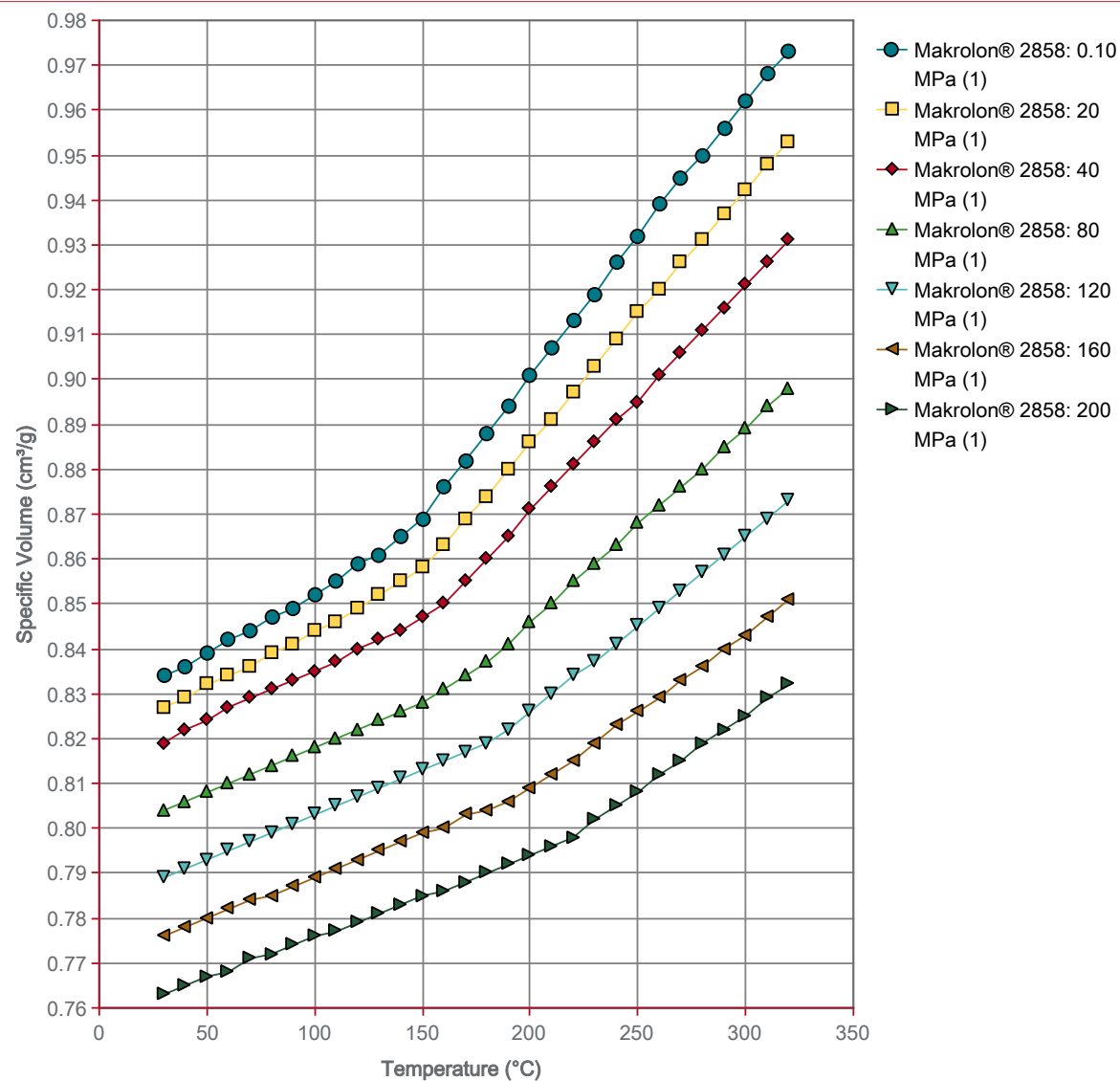
正切模量对应力 (ISO 11403-1)



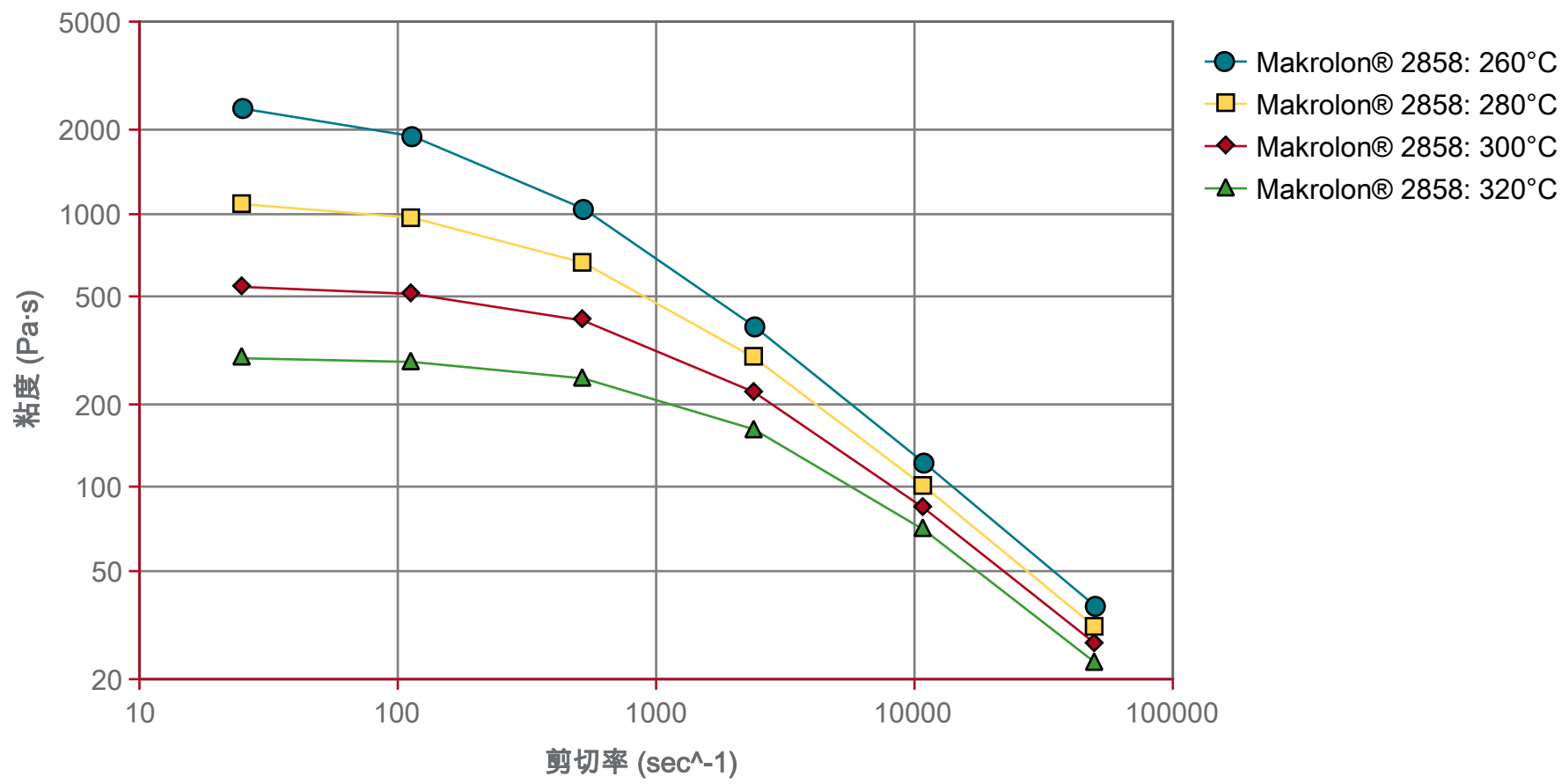
## Shear Modulus vs. Temperature (ISO 11403-1)



Specific Volume vs Temperature (ISO 11403-2)



粘度与剪切率 (ISO 11403-2)



备注

- <sup>1</sup> 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。
- <sup>2</sup> UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。
- <sup>3</sup> 一般属性：这些不能被视为规格。
- <sup>4</sup> Pellets
- <sup>5</sup> 60x60x2mm, 500 bar
- <sup>6</sup> 2.0 mm/min
- <sup>7</sup> 2 mm/min
- <sup>8</sup> 3 mm
- <sup>9</sup> 10°C/min
- <sup>10</sup> Across Flow
- <sup>11</sup> 程序 A
- <sup>12</sup> Method K and F
- <sup>13</sup> Method F
- <sup>14</sup> Method K
- <sup>15</sup> US-FMVSS
- <sup>16</sup> 方法 A



购买地点

| 供应商            |                                                                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Makrolon® 2856 | <b>Covestro - Polycarbonates</b><br>Leverkusen, Leverkusen Germany<br>电话: +49-214-6009-2000<br>Web: <a href="http://www.plastics.covestro.com/">http://www.plastics.covestro.com/</a> |
| Makrolon® 2858 | <b>Covestro - Polycarbonates</b><br>Leverkusen, Leverkusen Germany<br>电话: +49-214-6009-2000<br>Web: <a href="http://www.plastics.covestro.com/">http://www.plastics.covestro.com/</a> |
| Makrolon® 3258 | <b>Covestro - Polycarbonates</b><br>Leverkusen, Leverkusen Germany<br>电话: +49-214-6009-2000<br>Web: <a href="http://www.plastics.covestro.com/">http://www.plastics.covestro.com/</a> |



## 分销商

Makrolon® 2856

## ALBIS Plastic

*ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.*

电话: +49-40-78105-0

Web: <http://www.albis.com/>

供货地区: Algeria, Austria, Belgium, Bulgaria, China, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hong Kong, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

## Amco Polymers

电话: 800-262-6685

Web: <http://www.amcopolymers.com/>

供货地区: North America

## Avient Distribution (formerly PolyOne Distribution)

*Avient Distribution is a global distribution company. Contact Avient Distribution for availability of individual products by country.*

电话: +1-888-502-0951 (USA); +86-21-6028-4805 (China)

Web: <https://www.avientdistribution.com/>

供货地区: Global

## M. Holland Company

电话: 855-497-1403

Web: <http://www.mholland.com/>

供货地区: Mexico, United States

Makrolon® 2858

## ALBIS Plastic

*ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.*

电话: +49-40-78105-0

Web: <http://www.albis.com/>

供货地区: Algeria, Austria, Belgium, Bulgaria, China, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hong Kong, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

## Amco Polymers

电话: 800-262-6685

Web: <http://www.amcopolymers.com/>

供货地区: North America

## Avient Distribution (formerly PolyOne Distribution)

*Avient Distribution is a global distribution company. Contact Avient Distribution for availability of individual products by country.*

电话: +1-888-502-0951 (USA); +86-21-6028-4805 (China)

Web: <https://www.avientdistribution.com/>

供货地区: Global

## M. Holland Company

电话: 855-497-1403

Web: <http://www.mholland.com/>

供货地区: Mexico, United States

Makrolon® 3258

**ALBIS Plastic***ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.***电话:** +49-40-78105-0**Web:** <http://www.albis.com/>**供货地区:** Algeria, Austria, Belgium, Bulgaria, China, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hong Kong, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom**Amco Polymers****电话:** 800-262-6685**Web:** <http://www.amcopolymers.com/>**供货地区:** North America**Avient Distribution (formerly PolyOne Distribution)***Avient Distribution is a global distribution company. Contact Avient Distribution for availability of individual products by country.***电话:** +1-888-502-0951 (USA); +86-21-6028-4805 (China)**Web:** <https://www.avientdistribution.com/>**供货地区:** Global**M. Holland Company****电话:** 855-497-1403**Web:** <http://www.mholland.com/>**供货地区:** Mexico, United States