



Covestro Deutschland AG [PC Resins]  
Chempark, Gebaeude B207, Leverkusen 51368 DE



Makrolon: 2400 + (z)(f1), 2407 + (z)(f1), 2408 + (z), 2456 + (z), 2458 + (z), AL2447 + (f1), AL2447 + MAS402 (f1)

Polycarbonate (PC), pellets

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.  
(z) - Material designation and color code may be followed by up to three letters and/or three numbers (does not include grades which are separately recognized with above material designation and suffix)  
+ - Material designations may be followed by a six digit numerical code denoting color.

| 可燃性                 | 值               | 测试方法                          |
|---------------------|-----------------|-------------------------------|
| UL 阻燃等级             |                 |                               |
| 2.70 mm, ALL        | HB              | UL 94                         |
| 3.00 mm, ALL        | HB              | UL 94                         |
| 6.00 mm, ALL        | HB              | UL 94                         |
| 0.750 mm, ALL       | V-2             | UL 94<br>IEC 60695-11-10, -20 |
| 1.50 到 2.60 mm, ALL | V-2             | UL 94<br>IEC 60695-11-10, -20 |
| 3.00 mm, ALL        | HB40            | IEC 60695-11-10, -20          |
| 6.00 mm, ALL        | HB40            | IEC 60695-11-10, -20          |
| 2.70 mm, ALL        | HB75            | IEC 60695-11-10, -20          |
| 电气性能                | 值               | 测试方法                          |
| 热丝引燃 (HWI)          |                 | UL 746                        |
| 1.50 到 2.60 mm      | PLC 3           |                               |
| 2.70 mm             | PLC 3           |                               |
| 3.00 mm             | PLC 2           |                               |
| 6.00 mm             | PLC 0           |                               |
| 高电弧燃烧指数(HAI)        |                 | UL 746                        |
| 1.50 到 2.60 mm      | PLC 0           |                               |
| 2.70 mm             | PLC 0           |                               |
| 3.00 mm             | PLC 0           |                               |
| 6.00 mm             | PLC 0           |                               |
| 相比耐漏电起痕指数(CTI)      | PLC 2           | UL 746                        |
| 介电强度                | 25 kV/mm        | ASTM D149<br>IEC 60243-1      |
| 高电压电弧起痕速率 (HVTR)    | PLC 0           | UL 746                        |
| 体积电阻率               | 1.0E+15 ohms·cm | ASTM D257<br>IEC 60093        |
| 耐电弧性                | PLC 5           | ASTM D495                     |
| 热性能                 | 值               | 测试方法                          |
| RTI Elec            |                 | UL 746                        |
| 0.750 mm            | 125 °C          |                               |
| 1.50 到 2.60 mm      | 125 °C          |                               |
| 2.70 mm             | 125 °C          |                               |
| 3.00 mm             | 125 °C          |                               |
| 6.00 mm             | 125 °C          |                               |





| 热性能                   | 值      | 测试方法                   |
|-----------------------|--------|------------------------|
| RTI Imp               |        | UL 746                 |
| 0.750 mm              | 115 °C |                        |
| 1.50 到 2.60 mm        | 115 °C |                        |
| 2.70 mm               | 115 °C |                        |
| 3.00 mm               | 115 °C |                        |
| 6.00 mm               | 115 °C |                        |
| RTI                   |        | UL 746                 |
| 0.750 mm              | 125 °C |                        |
| 1.50 到 2.60 mm        | 125 °C |                        |
| 2.70 mm               | 125 °C |                        |
| 3.00 mm               | 125 °C |                        |
| 6.00 mm               | 125 °C |                        |
| 物理性能                  | 值      | 测试方法                   |
| Dimensional Stability | 0.0 %  | ASTM D1042<br>ISO 2796 |
| 室外适用性                 | f1     | UL 746C                |

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