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SCHULAMID® 6 GF 15 H  
BLACK 96.8001

聚酰胺 6  
LyondellBasell Industries

Technical Data

|                                                            |                                  |      |        |                |
|------------------------------------------------------------|----------------------------------|------|--------|----------------|
| Product Description                                        |                                  |      |        |                |
| 15% glass fiber reinforced and impact modified Polyamide 6 |                                  |      |        |                |
| General                                                    |                                  |      |        |                |
| Filler / Reinforcement                                     | • 玻璃纤维增强材料, 15% Filler by Weight |      |        |                |
| Processing Method                                          | • 注射成型                           |      |        |                |
| Resin ID (ISO 1043)                                        | • PA 6 GF 15 HI                  |      |        |                |
| Physical                                                   | 干燥                               | 调节后的 | 单位制    | 测试方法           |
| Density                                                    | 1.21                             | --   | g/cm³  | ISO 1183/A     |
| Viscosity Number                                           | 145                              | --   | cm³/g  | ISO 307        |
| Mechanical                                                 | 干燥                               | 调节后的 | 单位制    | 测试方法           |
| Tensile Modulus                                            | 5400                             | 3050 | MPa    | ISO 527-2/1A/1 |
| Tensile Stress (断裂)                                        | 98.0                             | 59.0 | MPa    | ISO 527-2/1A/5 |
| Tensile Strain (断裂)                                        | 3.7                              | 14   | %      | ISO 527-2/1A/5 |
| Impact                                                     | 干燥                               | 调节后的 | 单位制    | 测试方法           |
| Charpy Notched Impact Strength                             |                                  |      |        | ISO 179/1eA    |
| -30°C                                                      | 4.2                              | --   | kJ/m²  |                |
| 23°C                                                       | 9.0                              | 16   | kJ/m²  |                |
| Charpy Unnotched Impact Strength                           |                                  |      |        | ISO 179/1eU    |
| -30°C                                                      | 46                               | --   | kJ/m²  |                |
| 23°C                                                       | 62                               | 90   | kJ/m²  |                |
| Thermal                                                    | 干燥                               | 调节后的 | 单位制    | 测试方法           |
| Heat Deflection Temperature                                |                                  |      |        |                |
| 0.45 MPa, 未退火                                              | 210                              | --   | °C     | ISO 75-2/Bf    |
| 1.8 MPa, 未退火                                               | 190                              | --   | °C     | ISO 75-2/Af    |
| Vicat Softening Temperature                                |                                  |      |        |                |
| --                                                         | 215                              | --   | °C     | ISO 306/A50    |
| --                                                         | 205                              | --   | °C     | ISO 306/B50    |
| Flammability                                               | 干燥                               | 调节后的 | 单位制    | 测试方法           |
| Burning Rate                                               |                                  |      |        |                |
| 2.00 mm                                                    | < 100                            | --   | mm/min | ISO 3795       |
| 2.00 mm                                                    | < 100                            | --   | mm/min | FMVSS 302      |
| Injection                                                  | 干燥 单位制                           |      |        |                |
| Drying Temperature                                         | 80 °C                            |      |        |                |
| Drying Time                                                | 3.0 到 4.0 hr                     |      |        |                |
| Suggested Max Moisture                                     | 0.040 到 0.10 %                   |      |        |                |
| Suggested Max Regrind                                      | 20 %                             |      |        |                |
| Processing (Melt) Temp                                     | 250 到 280 °C                     |      |        |                |
| Mold Temperature                                           | 60 到 100 °C                      |      |        |                |