

Technical Data Sheet

Schulamid 663E0HLBKBLK



Polyamide 66

Product Description

Schulamid 663E0HLBKBLK is a Polyamide 66 material and is typically used in Injection Molding applications. Features include: High Impact Resistance.

| | |
|--------------------------|------------------------|
| Processing Method | Injection Molding |
| Attribute | High Impact Resistance |
| Forms | Pellets |

| Typical Properties | Nominal Value | Units | Test Method |
|-----------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Density - Specific Gravity | 1.1 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield | 64.1 | MPa | ASTM D638 |
| Flexural Modulus, (Tangent) | 2480 | MPa | ASTM D790 |
| Impact | | | |
| Gardner Impact | >36.2 | J | ASTM D5420 |
| Notched Izod Impact | 210 | J/m | ASTM D256 |
| Thermal | | | |
| RTI Str | 65.6 | °C | UL 746B |
| UL Information | | | |
| Flame Rating, (1.5 mm) | HB | | UL 94 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 4 | hr |
| Drying Temperature | 71 to 82 | °C |
| Processing (Melt) Temp | 271 to 293 | °C |
| Front Temperature | 249 to 293 | °C |
| Middle Temperature | 249 to 293 | °C |
| Rear Temperature | 249 to 293 | °C |
| Injection Rate | Moderate-Fast | |
| Back Pressure | <0.345 | MPa |
| Mold Temperature | 52 to 82 | °C |
| Cushion | 3.18 to 6.35 | mm |