

Technical Data Sheet

Schulamid FP62E33HLBKBLK



Polyamide 6

Product Description

Schulamid FP62E33HLBKBLK is a Polyamide 6 Glass Fiber, 33% filled material and is typically used in Injection Molding applications.

| | |
|-----------------------------|-------------------------|
| Processing Method | Injection Molding |
| Forms | Pellets |
| Application | Industrial Applications |
| Filler/Reinforcement | Glass Fiber, 33% |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Density - Specific Gravity | 1.38 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield | 152 | MPa | ASTM D638 |
| Flexural Modulus | 8270 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact | 80 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 199 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 210 | °C | ASTM D648 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 4.0 to 6.0 | hr |
| Drying Temperature | 71 to 93 | °C |
| Suggested Max Moisture | 0.1 | % |
| Processing (Melt) Temp | 249 to 282 | °C |
| Front Temperature | 260 to 282 | °C |
| Middle Temperature | 260 to 282 | °C |
| Rear Temperature | 249 to 282 | °C |
| Injection Rate | Fast | |
| Back Pressure | <0.345 | MPa |
| Mold Temperature | 82 to 93 | °C |
| Cushion | 6.35 to 12.7 | mm |