

Technical Data Sheet

Schulamid F663E33HB 7800 VC Green



Polyamide 66

Product Description

33% Glass Reinforced Nylon 66

Processing Method Injection Molding

Forms Pellets

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 | 149 | MPa | ASTM D638 |
| Flexural Modulus, (Tangent) | 9310 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact | 80 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 249 | °C | ASTM D648 |
| UL Information | | | |
| Flame Rating | HB | | UL 94 |

| Injection Parameters | Value | Units |
|------------------------|---------------|-------|
| Drying Time | 4.0 to 6.0 | hr |
| Drying Temperature | 71 to 93 | °C |
| Processing (Melt) Temp | 249 to 293 | °C |
| Front Temperature | 249 to 293 | °C |
| Middle Temperature | 249 to 293 | °C |
| Rear Temperature | 249 to 271 | °C |
| Injection Rate | Moderate-Fast | |
| Back Pressure | <0.345 | MPa |
| Mold Temperature | 66 to 93 | °C |
| Cushion | 6.35 to 12.7 | mm |