ReinForce™ 5935LE

Polypropylene Homopolymer

Key Characteristics

Product Description		
Polypropylene homopolymer glass fiber and mica reinforced		
General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Filler / Reinforcement	• Glass Fiber	• Mica
Uses	• Automotive Applications	
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.20 g/cm³	1.20 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Molding Shrinkage (0.118 in (3.00 mm))	0.30 %	0.30 %	ISO 294-4
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (Break)	8700 psi	60.0 MPa	ISO 527-2
Flexural Modulus	725000 psi	5000 MPa	ISO 178
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength	3.3 ft·lb/in²	7.0 kJ/m²	ISO 179
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	275 °F	135 °C	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80.0 to 100 °C
Drying Time	1.0 hr	1.0 hr
Processing (Melt) Temp	374 to 428 °F	190 to 220 °C
Mold Temperature	104 °F	40.0 °C

Injection Notes

Hold Pressure: 400-600 bar
Screw Speed: 15 mm/sec
Back Pressure: 80 bar

Notes

[1] Typical values are not to be construed as specifications.

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