

Technical Information



Polypropylene DGF080.00 ESU Developmental Performance Polymers

Overview

Polypropylene GF080.00 ESU is a Natural 10% glass filled advanced polyolefin blend with Medium flow and high Heat Resistance.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.980 g/cm ³	0.980 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 g/10 min	10 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	3130 psi	21.6 MPa	ISO 527-2/5
Flexural Modulus	203000 psi	1400 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F (-40°C)	2.9 ft·lb/in ²	6.0 kJ/m ²	
73°F (23°C)	8.1 ft·lb/in ²	17 kJ/m ²	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	203 °F	95.0 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	126 °F	52.0 °C	ISO 75-2/A

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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