

POLYFORT® FPP LGF 50

Polypropylene Homopolymer

A. Schulman Europe

Message:

50% long glass fiber reinforced PP Homopolymer

General Information			
Filler / Reinforcement	Long glass fiber, 50% filler by weight		
Features	Homopolymer		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H LGF 50		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	135	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.8	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	25	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	159	°C	ISO 75-2/Af
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.00 mm)	< 100	mm/min	ISO 3795
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
Additional Information			

1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

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