

POLYFORT® FPP 10 GFC

Polypropylene Homopolymer

A. Schulman Europe

Message:

10% glass fibre reinforced PP-Homopolymer chemically coupled

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP H 10GFC		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2810	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/1A/50
Flexural Modulus ¹	2480	MPa	ISO 178
Flexural Stress ²			ISO 178
3.5% strain	58.0	MPa	ISO 178
6.0% strain	67.5	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	37	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/Af
Vicat Softening Temperature	115	°C	ISO 306/B50
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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