

POLYFORT® FPP 40 GFC

Polypropylene Homopolymer

A. Schulman Europe

Message:

40 % glass fibre reinforced PP-Homopolymer, chemically coupled

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-GF		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	144	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8100	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	90.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.7	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	41	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	147	°C	ISO 75-2/Af
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	ISO 3795
Additional Information			

1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

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