

POLYFORT® FPP 30/10 GBGF

Polypropylene Homopolymer

A. Schulman Europe

Message:

30% glass bead and glass fibre reinforced PP-Homopolymer with high stiffness and low warpage

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Low warpage		
	Rigidity, high		
	Homopolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	5.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	51.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	150	°C	ISO 75-2/Bf
1.8 MPa, not annealed	112	°C	ISO 75-2/Af
Vicat Softening Temperature	161	°C	ISO 306/A50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms · cm	IEC 60093
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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