

POLYFORT® FPP 20 GB

Polypropylene Homopolymer

A. Schulman Europe

Message:

20% glass bead reinforced PP-Homopolymer with high stiffness and dimension stability

General Information			
Filler / Reinforcement	Glass beads, 20% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	73.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	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	119	°C	ISO 75-2/Bf
1.8 MPa, not annealed	81.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	150	°C	ISO 306/A50
--	85.0	°C	ISO 306/B50
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
Flammability Classification (1.60 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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