POLYFORT® FPP 40 GFC HI

Polypropylene Homopolymer

A. Schulman Europe

Message:

High impact 40 % glass fibre reinforced PP-Homopolymer, chemically coupled

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Chemically Coupled Homopolymer Impact Modified		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.23	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.00	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	120	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	7800	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	84.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.3	%	ISO 527-2/1A/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	57	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	158	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	141	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	164	°C	ISO 306/A50
--	131	°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 (1.50 mm)	HB		IEC 60695-11-10, -20

Recommended distributors for this material

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