

POLYFORT® FPP 70 BS

Polypropylene Homopolymer

A. Schulman Europe

Message:

70% Bariumsulfate filled PP-Homopolymer with high gloss, low shrinkage and good impact

General Information			
Filler / Reinforcement	Barium sulfate, 70% filler by weight		
Features	Highlight		
	Impact resistance, good		
	Low shrinkage		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.99	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)	77.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/Af
Vicat Softening Temperature	150	°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 (2.00 mm)	< 100	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
1.50 mm	HB		IEC 60695-11-10, -20
3.00 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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