

POLYFORT® FPP 20 TE

Polypropylene Homopolymer

A. Schulman Europe

Message:

20% talc filled PP-Homopolymer for extrusion and injection molding

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Processing Method	Extrusion Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/1A/50
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Flexural Strain at Flexural Strength	6.5	%	ISO 178
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)	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/Bf
1.8 MPa, not annealed	70.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	90.0	°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 (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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