

POLYFORT® FPP 20 T

Polypropylene Homopolymer

A. Schulman Europe

Message:

20% talc filled PP-Homopolymer

General Information			
UL YellowCard	E344659-100854531	E86615-252213	E188844-102210976
Filler / Reinforcement	Talc filler, 20% filler by weight		
UL File Number	E86615		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-T		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	82.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.0	kJ/m ²	ISO 179/1eA
23°C	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	14	kJ/m ²	ISO 179/1eU
23°C	38	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	109	°C	ISO 75-2/Bf
1.8 MPa, not annealed	58.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	84.0	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 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
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	725	°C	IEC 60695-2-12
3.00 mm	775	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	750	°C	IEC 60695-2-13
3.00 mm	800	°C	IEC 60695-2-13

Additional Information

- 1.)
 Not for use in food contact applications2.)
 Not for use in medical or pharmaceutical applications

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