

POLYFORT® FPP 22 T K1093

Polypropylene Homopolymer

A. Schulman Europe

Message:

22% talc filled PP-Homopolymer with long term heat stabilization

General Information			
Filler / Reinforcement	Talc filler, 22% filler by weight		
Features	Thermal Stability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	15.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	80.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2650	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.5	kJ/m ²	ISO 179/1eA
23°C	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	15	kJ/m ²	ISO 179/1eU
23°C	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/Bf
1.8 MPa, not annealed	60.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	151	°C	ISO 306/A50
--	86.0	°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	725	°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	750	°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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