

POLYFORT® FPP 40 TF

Polypropylene Homopolymer

A. Schulman Europe

Message:

40% talc filled PP homopolymer, easy flow

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	85.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4400	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.4	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.6	kJ/m ²	ISO 179/1eA
23°C	2.6	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	8.5	kJ/m ²	ISO 179/1eU
23°C	13	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	116	°C	ISO 75-2/Bf
1.8 MPa, not annealed	75.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	99.0	°C	ISO 306/A50
--	96.0	°C	ISO 306/B50
Additional Information			

1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

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