

POLYFORT® FPP 20 GFC

Polypropylene Homopolymer

A. Schulman Europe

Message:

20% chemical coupled glass fiber reinforced PP-homopolymer

General Information			
UL YellowCard	E86615-252212		
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	5.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	100	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4600	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	68.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m²	ISO 179/1eA
23°C	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	25	kJ/m²	ISO 179/1eU
23°C	30	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	153	°C	ISO 75-2/Bf
1.8 MPa, not annealed	136	°C	ISO 75-2/ Af
Vicat Softening Temperature	115	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flammability Classification	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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