

POLYFORT® FIPP 15 GFC BM K2258

Polypropylene Copolymer

A. Schulman Europe

Message:

15% glass fibre reinforced PP copolymer compound; chemically coupled; blow molding grade; contains metal deactivator; heat stabilised

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Processing Method	Blow molding		
	Extrusion		
Resin ID (ISO 1043)	PP-C 15 GFC BM		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	1.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/10)	70.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3050	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	35.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	11	%	ISO 527-2/1A/5
Flexural Modulus ¹	2600	MPa	ISO 178
Flexural Stress ²			ISO 178
3.5% strain	51.0	MPa	ISO 178
6.0% strain	57.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	ISO 179/1eA
23°C	18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	40	kJ/m ²	ISO 179/1eU
23°C	52	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/Bf
1.8 MPa, not annealed	100	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	160	°C	ISO 306/A50
--	81.0	°C	ISO 306/B50

Flammability	Nominal Value	Unit	Test Method
Burning Rate (1.50 mm)	33	mm/min	ISO 3795
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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