

POLYfill PP TOUCH 25325 R3

Polypropylene

Polykemi AB

Message:

Glass fibre-reinforced Scratch resistant

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Scratch Resistant		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.70 to 0.90	%	
Flow	0.10 to 0.30	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress	43.0	MPa	ISO 178
Scratch Resistance - 10 N Rough Structure ¹	< 0.200	dL	ISO 1518/D65
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	25	kJ/m ²	
23°C	31	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (0.45 MPa, Unannealed)	130	°C	ISO 75-2/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	750	°C	IEC 60695-2-13
NOTE			

1.	Test performed on black plaques with fine (Standex MT9078) and rough (Standex MT11435) structure
2.	120°C/hr

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