

POLYform C M270

Acetal (POM) Copolymer
Polykemi AB

Message:

POLYform C M270 is an Acetal (POM) Copolymer product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	27	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.8 to 2.0	%	
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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	97		
Shore D, 15 sec	78		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus (23°C)	2700	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (1.8 MPa, Unannealed)	106	°C	ISO 75-2/A
Vicat Softening Temperature	152	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (3.20 mm)	550	°C	IEC 60695-2-13
NOTE			
1.	120°C/hr		

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