

POLYshine PBT D401 R

Polybutylene Terephthalate

Polykemi AB

Message:

Medium viscosity

General Information			
Features	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.8 to 2.0	%	
Flow	1.8 to 2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	55.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m ²	
23°C	4.0	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			
0.45 MPa, Unannealed	165	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	178	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	120°C/hr		

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