

POLYplex PMMA 500

Polymethyl Methacrylate Acrylic

Polykemi AB

Message:

POLYplex PMMA 500 is a Polymethyl Methacrylate Acrylic product. It is available in Asia Pacific or Europe.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus (23°C)	3000	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	102	°C	ISO 75-2/B
1.8 MPa, Unannealed	82.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	116	°C	ISO 306/A50
--	110	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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