

POLYMAN® (PMMA) E/02

Polymethyl Methacrylate Acrylic

A. Schulman Europe

Message:

Standard PMMA grade for extrusion

General Information			
Processing Method	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	PMMA		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)	2.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	68.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	21	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	88.0	°C	ISO 75-2/Af
Vicat Softening Temperature	107	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·cm	IEC 60093
Additional Information			

- 1.)
- Not for use in food contact applications2.)
- Not for use in medical or pharmaceutical applications

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