

Technical Data

Product Description

Natural PMMA in powder for compounding by extrusion molding.
 Low flow rate, good thermal resistance and good rate stiffness/impact.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Availability	• Europe	• Latin America	• North America
Features	• Good Impact Resistance • Good Stiffness	• Low Flow • Medium Heat Resistance	
Forms	• Powder		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.3 g/10 min	ASTM D1238

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Break)	72.0 MPa	ASTM D638
Tensile Elongation (Break)	4.0 %	ASTM D638

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	15 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (M-Scale)	96	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed, 3.20 mm	98.0 °C	ASTM D648
Vicat Softening Temperature --	102 °C	ASTM D1525 ³
--	110 °C	ASTM D1525 ⁴

Optical	Nominal Value Unit	Test Method
Refractive Index	1.490	ASTM D542
Light Transmittance	92.0 %	ASTM D1003

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Rate A (50°C/h), Loading 2 (50 N)

⁴ Rate B (120°C/h), Loading 1 (10 N)

