

Technical Data Sheet

Polylux (MABS) Typ C12

Methyl Methacrylate / ABS
LyondellBasell Industries
Engineering Plastics

Product Description

Good flow, high impact MABS grade

General

Processing Method	• Injection Molding
Resin ID (ISO 1043)	• MABS

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.09 g/cm ³	1.09 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 Kg)	24 cm ³ /10min	24 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	247000 psi	1700 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	5950 psi	41.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.5 %	3.5 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	6.2 ft·lb/in ²	13 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	42 ft·lb/in ²	88 kJ/m ²	ISO 179/1eU
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	163 °F	73.0 °C	ISO 75-2/Af
Vicat Softening Temperature	199 °F	93.0 °C	ISO 306/B50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flammability Classification 0.06 In (1.5 Mm)	HB	HB	IEC 60695-11-10, -20
Glow Wire Flammability Index 0.08 In (2.0 Mm)	1020 °F	550 °C	IEC 60695-2-11

Notes

These are typical property values not to be construed as specification limits.