

Technical Data Sheet

**Polylux (MABS) Typ C12**

Methyl Methacrylate / ABS
LyondellBasell Industries
Engineering Plastics

Product Description

Good flow, high impact MABS grade

General

Material Status	• Commercial: Active
Availability	• Europe
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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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