

Technical Data Sheet

POLYMAN[®] (ABS) LP 129/2 GL

Acrylonitrile Butadiene Styrene
Engineering Plastics

Product Description

Impact ABS grade with high flow

General

Features	• Good Flow	• High Impact Resistance
Processing Method	• Injection Molding	
Resin ID (ISO 1043)	• ABS	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	22 cm ³ /10min	22 cm ³ /10min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Modulus	319000 psi	2200 MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	5800 psi	40.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.5 %	2.5 %	ISO 527-2/1A/50

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Charpy Notched Impact Strength (73°F (23°C))	7.6 ft·lb/in ²	16 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179/1eU

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	176 °F	80.0 °C	ISO 75-2/Af
Vicat Softening Temperature	212 °F	100 °C	ISO 306/B50

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
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Burning Rate 0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302

Notes

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