

POLYMAN® (ABS) LP 125/2 GL

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

Higher impact ABS grade

General Information			
Features	Impact resistance, good		
Processing Method	Injection molding		
Resin ID (ISO 1043)	ABS		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	13.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	40.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.3	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	27	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	93.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	90.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	100	°C	ISO 306/A50
--	93.0	°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
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
Additional Information			

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

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