

POLYMAN® (ABS) LP 128/2 GL

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

Medium impact ABS grade especially for electroplating

General Information			
Features	Medium Impact Resistance		
	Platable		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	ABS		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	36.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	104	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	44.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.4	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m²	
23°C	17	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	98	kJ/m²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	83.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	72.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	100	°C	ISO 306/A50
--	94.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.00 mm)	52	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
1.50 mm	HB		

3.00 mm	HB	
Glow Wire Flammability Index		IEC 60695-2-12
1.50 mm	650	°C
3.00 mm	650	°C
Glow Wire Ignition Temperature		IEC 60695-2-13
1.50 mm	675	°C
3.00 mm	675	°C

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