

POLYMAN® (ABS) LP 299/2 GL

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

Medium impact ABS grade

General Information			
Features	Medium Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	21.0	cm ³ /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)	43.0	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	11	kJ/m ²	
23°C	21	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	87.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	74.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	105	°C	ISO 306/A50
--	96.0	°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
Burning Rate (2.00 mm)	36	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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