

POLYMAN® (ABS) LP 510 NT

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

ABS industrial quality; black

General Information			
Processing Method	Injection molding		
Resin ID (ISO 1043)	ABS		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	38.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.5	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	81	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	96.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	80.0	°C	ISO 75-2/Af
Vicat Softening Temperature	100	°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
Additional Information			

1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

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