

Plaslube® ABS 8002

Acrylonitrile Butadiene Styrene
Techmer Engineered Solutions

Message:

Plaslube® ABS 8002 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in North America.
Primary characteristic: heat resistant.

General Information			
UL YellowCard	E253782-101773868		
Features	High Heat Resistance		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	57.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	170	J/m	
0°C, 3.18 mm	280	J/m	
23°C, 3.18 mm	420	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.9	°C	
1.8 MPa, Unannealed	78.9	°C	

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