

Plaslube® ABS 922 NAT

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6500	psi	ASTM D638
Tensile Elongation (Break)	3.1	%	ASTM D638
Flexural Modulus	320000	psi	ASTM D790
Flexural Strength	10300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	1.0	ft-lb/in	
32°F, 0.125 in	1.6	ft-lb/in	
73°F, 0.125 in	5.0	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	196	°F	ASTM D648
Deflection Temperature Under Load (66 psi, Annealed)	219	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	172	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Annealed)	210	°F	ASTM D648
Vicat Softening Temperature	207	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 2 (50 N)

