

Plaslube® ABS 8003 A1

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Impact Modifier
Features	• Heat Stabilized • Impact Modified
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	7.0	g/10 min	
220°C/5.0 kg	1.0	g/10 min	
Molding Shrinkage - Flow	5.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	295000	psi	ASTM D790
Flexural Strength	84000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	2.0	ft-lb/in	
32°F, 0.125 in	4.4	ft-lb/in	
73°F, 0.125 in	5.7	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	198	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ASTM D648

Notes

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

