

**Plaslube® ABS 8002**

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

**General**

Material Status	• Commercial: Active
Availability	• North America
Features	• High Heat Resistance
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

**ASTM & ISO Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.3	g/10 min	ASTM D1238
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	4500	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	280000	psi	ASTM D790
Flexural Strength	8300	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	3.2	ft·lb/in	
32°F, 0.125 in	5.2	ft·lb/in	
73°F, 0.125 in	7.8	ft·lb/in	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Rockwell Hardness (R-Scale)	90		ASTM D785
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (66 psi, Unannealed)	201	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	174	°F	ASTM D648

