

## Plaslube® ABS/PBT BK

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene + PBT*

### General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.16		ASTM D792
Molding Shrinkage - Flow (0.125 in)	8.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.14	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	6300	psi	ASTM D638
Tensile Elongation (Yield)	95	%	ASTM D638
Flexural Modulus	290000	psi	ASTM D790
Flexural Strength	9500	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.1	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	117		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	211	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	195	°F	ASTM D648
CLTE - Flow	5.7E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	750	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94
<b>Additional Information</b>			
TPCI #	6722121		

