

Plaslube® TPX-PPO/HIPS-02072 BK

Techmer Polymer Modifiers - *Polyphenylene Ether + PS + PA*

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• PTFE Lubricant
Features	• Lubricated • Wear Resistant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.11		ASTM D792
Molding Shrinkage - Flow	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	5500	psi	ASTM D638
Tensile Elongation (Yield)	55	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Flexural Strength (Yield)	12100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	4.1	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	40	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	235	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	207	°F	ASTM D648
CLTE - Flow	3.6E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257

