

**Plaslube® PEEK 13005**

 Techmer Polymer Modifiers - *Polyetheretherketone*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Features	• High Viscosity      • Lubricated
Appearance	• Colors Available
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.36		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	14000	psi	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	900000	psi	ASTM D790
Flexural Strength	28000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.5	ft-lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	105		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	450	°F	ASTM D648
CLTE - Flow	2.6E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	300	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.031 in)	V-0		UL 94

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	300	°F

