

# Plaslube® PEEK 13005

Polyetheretherketone  
Techmer Engineered Solutions

Message:

Plaslube® PEEK 13005 is a Polyetheretherketone (PEEK) product. It can be processed by injection molding and is available in North America. Characteristics include:  
Flame Rated  
High Viscosity

General Information			
Features	High Viscosity		
	Lubricated		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	96.5	MPa	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	232	°C	ASTM D648
CLTE - Flow	4.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength	12	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

