Plaslube® POK CF10 TL10 GL10

Techmer Polymer Modifiers - *Polyketone*

General Information

Product Description		
POKM93894		
General		
Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Carbon Fiber, 10% Filler by Weight	
Features	• Low Moisture Absorption	• Lubricated
Appearance	• Colors Available	• Colors Available
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.28		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.40	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	16000	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	700000	psi	ASTM D790
Flexural Strength	21000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	2.0	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	121		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	410	°F	ASTM D648
Melting Temperature	432	°F	
CLTE - Flow	5.0E-5	in/in/°F	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	< 1.0E+5	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	450	V/mil	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 100	psi

Injection Notes

Screw Speed: Medium
Recommendations for Molding and Tool Conditions: Well vented
Moisture Content, as received: Product is packaged at 0.2% or less.
Recomended Max Moisture: 0.12% down to 0.08%