

## TECHNICAL DATA AND PROCESS SHEET

### 30% CARBON FIBER REINFORCED, 15% PTFE/SILICONE LUBRICATED POLYPHENYLENE SULFIDE

#### INLUBE PPSCF30TF13SI2

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.53	-	ASTM D792
WATER ABSORPTION	0.04	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.05-0.2	%	ASTM D955
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	24,500	psi	ASTM D638
TENSILE ELONGATION	1-2	%	ASTM D638
FLEXURAL MODULUS	3,000,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	0.8	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	500	°F	ASTM D648
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	$10^1$ - $10^2$	Ohm/Sq	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	300	°F	
DRYING TIME	4	hrs	
MELT TEMPERATURE	600-630	°F	
MOLD TEMPERATURE	275-350	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.0003-0.0005	in	

3/30/12 DJV

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