

## TECHNICAL DATA AND PROCESS SHEET

### 10% CARBON FIBER REINFORCED, 10% PTFE AND 10% GRAPHITE LUBRICATED POLYPHENYLENE SULFIDE

#### INLUBE PPSCF10TF10GP10

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.49	-	ASTM D792
WATER ABSORPTION	0.04	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.2-0.3	%	ASTM D955
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	16,000	psi	ASTM D638
TENSILE ELONGATION	1-3%	%	ASTM D638
FLEXURAL MODULUS	1,400,000	psi	ASTM D790
IZOD IMPACT, NOTHCED	0.8	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	500	°F	ASTM D648
<b>PROCESSING</b>			
DRYING TEMPERATURE	250	°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	

3/7/11 DJV

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