

## TECHNICAL DATA AND PROCESS SHEET

### POLYSULFONE

### INCOLOR PSU

### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.24	-	ASTM D792
WATER ABSORPTION	0.3	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.5-0.7	%	ASTM D955
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	10,000	psi	ASTM D638
TENSILE ELONGATION	>10.0	%	ASTM D638
FLEXURAL MODULUS	390,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	1.3	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	345	°F	ASTM D648
<b>ELECTRICAL</b>			
VOLUME RESISTIVITY	>10 <sup>17</sup>	Ohm-cm	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	275	°F	
DRYING TIME	4	hrs	
MAX MOISTURE CONTENT	0.05	%	
MELT TEMPERATURE	650-700	°F	
MOLD TEMPERATURE	275-300	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.001-0.003	in	

9//19/11 DJV

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