

## PEEK™ 450GL30 Resin

PROPERTY	NOMINAL VALUES	TEST METHOD
<b>Physical</b>		
Specific Gravity	1.50	ASTM D792
Water Absorption at 24 hours (73 °F)	0.11 %	ASTM D570
<b>Electrical</b>		
Dielectric Strength (0.00197 in)	445 V/mil	ASTM D149
Dielectric Constant		ASTM D150
50 Hz	3.700	
10,000 Hz	3.700	
<b>Mechanical</b>		
Tensile Strength at Break (0.20 in/min)		ASTM D638
73 °F	22,600 psi	
482 °F	4930 psi	
Tensile Elongation at Break (73 °F, 0.20 in/min)	2.0 %	ASTM D638
Flexural Strength at Yield		ASTM D790
73 °F	33,800 psi	
248 °F	25,400 psi	
482 °F	10,200 psi	
Flexural Modulus		ASTM D790
73 °F	1.45E + 6 psi	
248 °F	1.33E + 6 psi	
482 °F	43,500 psi	
<b>Thermal</b>		
DTUL at 264 psi (Unannealed)	600 °F	ASTM D648
Glass Transition Temperature	289 °F	DSC
Melting Point	644 °F	DSC
<b>Impact</b>		
Notched Izod Impact (73 °F)	1.80 ft-lb/in	ASTM D256
Unnotched Izod Impact (73 °F)	13.6 ft-lb/in	ASTM D256

\*PEEK is a registered trademark of Victrex

\*\*Typical values only. Actual properties of individual batches will vary within specification limits.