



510 Gilmore Ave., Suite C
 Stockton, CA 95203
 Ph: 800-590-PLAS ♦ Fax: 209-464-5760

Udel® P-1700 Resin

PROPERTY	NOMINAL VALUES	TEST METHOD
Physical		
Density – Specific Gravity	1.24	ASTM D792
Melt Mass – Flow Rate (343°C, 2.16 kg)	6.5 g/10 min	ASTM D1238
Mechanical		
Tensile Modulus	360 kpsi	ASTM D638
Tensile Strength	10.2 kpsi	ASTM D638
Tensile Elongation at Break	50 - 100 %	ASTM D638
Flexural Modulus	390 kpsi	ASTM D790
Flexural Strength	15.4 kpsi	ASTM D790
Impact		
Notched Izod Impact Strength	1.3 ft-lb/in	ASTM D256
Tensile Impact Strength	200 ft-lb/in ²	ASTM D1822
Thermal		
Deflection Temperature (264 psi)	345 °F	ASTM D648
Coefficient of Thermal Expansion	31 ppm/°F	ASTM D696
Electrical		
Volume Resistivity	3 x 10 ¹⁶ ohm-cm	ASTM D257
Dielectric Strength	425 V/mil	ASTM D149
Dielectric Constant		ASTM D150
60 Hz	3.03	
10 ³ Hz	3.04	
10 ⁶ Hz	3.02	
Dissipation Factor		ASTM D150
60 Hz	0.0007	
10 ³ Hz	0.0010	
10 ⁶ Hz	0.0060	

*Udel ®P-1700 is a registered trademark of Solvay Advanced Polymers

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