



ADVANCED POLYMER TECHNOLOGIES

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## NORYL® EN265 Resin

PROPERTY	NOMINAL VALUES	TEST METHOD
<b>Physical</b>		
Density – Specific Gravity	1.08 sp gr 23/23°C	ASTM D792
Mold Shrink, Linear – Flow (0.126 in)	0.0050 to 0.0070 in/in	ASTM D955
Water Absorption @ 24 hrs	0.070 %	ASTM D570
<b>Mechanical</b>		
Tensile Strength @ Yield (Type I, 2 in/min)	9200 psi	ASTM D638
Tensile Elongation @ Break (Type I, 2 in/min)	25 %	ASTM D638
Flexural Modulus (3.94 in Span, 0.1 in/min)	370,000 psi	ASTM D790
Flexural Strength @ Yield (3.94 in Span, 0.1 in/min)	14,400 psi	ASTM D790
<b>Thermal</b>		
DTUL @ 264 psi – Unannealed (0.252 in)	254 °F	ASTM D648
<b>Electrical</b>		
Dielectric Strength (in Oil, 0.126 in)	500 V/mil	ASTM D149
Dielectric Constant		ASTM D150
60 Hz	2.690	
50 Hz	2.690	
Dissipation Factor		ASTM D150
60 Hz	0.00070	
50 Hz	0.00070	
Arc Resistance (Tungsten Electrode)	PLC 6	ASTM D495
<b>Impact</b>		
Notched Izod Impact		ASTM D256
-40°F	2.50 ft-lb/in	
73°F	3.50 ft-lb/in	
<b>Hardness</b>		
Rockwell Hardness (R-Scale)	119	ASTM D785
<b>Ignition Characteristics</b>		
Flame Rating – UL		UL 94
0.236 in	V-0	
0.0590 in	V-1	

\*Noryl is a registered trademark of General Electrical

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