

Noryl® EN265 Material Data Sheet

Properties				
Physical	Nominal Values	(English)	Test Method	
Density - Specific Gravity	1.08	sp gr 23/23°C	ASTM D792	
Mold Shrink, Linear-Flow (0.125 in)	0.0050 to 0.0070	in/in	ASTM D955	
Water Absorption @ 24 hrs (73 °F)	0.070	%	ASTM D570	
Mechanical	Nominal Values	(English)	Test Method	
Tensile Strength @ Yield	9200	psi	ASTM D638	
Tensile Elongation @ Brk	25	%	ASTM D638	
Flexural Modulus (4.00 in Span)	370000	psi	ASTM D790	
Flexural Strength @ Yield (4.00 in Span)	14400	psi	ASTM D790	
Impact	Nominal Values	(English)	Test Method	
Notched Izod Impact			ASTM D256	
(-40 °F)	2.50	ft-lb/in		
(73 °F)	3.50	ft-lb/in		
Gardner Impact			ASTM D3029	
(-40 °F)	36.0	in-lb		
(-22 °F)	132	in-lb		
Hardness	Nominal Values	(English)	Test Method	
Rockwell Hardness (R-Scale)	119		ASTM D785	
Thermal	Nominal Values	(English)	Test Method	
DTUL @264psi - Unannealed (0.250 in)	254	°F	ASTM D648	
CLTE, Flow (-40 to 200°F (-40 to 93°C))	3.3E-005	in/in/°F	ASTM D696	
Electrical	Nominal Values	(English)	Test Method	
Dielectric Strength (In Oil, 0.125 in)	500	V/mil	ASTM D149	

Dielectric Constant (60 Hz)		2.690		ASTM D150
Dissipation Factor (60 Hz)		0.00070		ASTM D150
Arc Resistance (PLC) (Tungsten Electrode, 0.125 in)		PLC 6		ASTM D495
Ignition Characteristics				
	Nominal Values	(English)		Test Method
UL File Number (USA)		E121562		
Flame Rating - UL				UL 94
(0.236 in)		V-0		
(0.0590 in)		V-1		
Limiting Oxygen Index		29	%	ASTM D2863
UL 746				
	Nominal Values	(English)		Test Method
Relative Temp Index Mech w/olmp		230	°F	UL 746
Relative Temp Index Mech w/lmp		221	°F	UL 746
Relative Temp Index Elect		230	°F	UL 746
Comparative Tracking Index (CTI) (PLC) (0.125 in)		PLC 1		UL 746
High Voltage Arc Tracking Rate (HVTR) (PLC) (0.125 in)		PLC 4		UL 746
Additional Properties				
CSA (See File for complete listing), CSA LISTED: LS88480 File No. Radiant Panel Listing, UL tested: RP100 UV-light, water exposure/immersion, UL746C: F1				