



CHawk Technology Intl., Inc.

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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			