

# ULTRATRAC® H950

Thermoset Polyester

Haysite Reinforced Plastics

## Message:

ULTRATRAC H950 meets or exceeds all requirements for NEMA GPO-3 type material. ULTRATRAC H950 is recognized by UL as a 94 V-O material and offers great arc protection (UL FILE E81893). Testing at an independent laboratory shows ULTRATRAC Grade H950 to be non-toxic as defined by Military Specification MIL M-14H. Excellent flame resistance and very low smoke generation is also characteristic of this material. Available thicknesses - .093" - 2.00". Standard color - Red. Meets Gov't Spec - I-24768/6.

General Information			
Features	Flame Retardant		
	Low Smoke Emission		
	Non-Toxic		
Agency Ratings	EC 1907/2006 (REACH)		
	MIL M-14H		
	NEMA GPO-3		
RoHS Compliance	RoHS Compliant		
UL File Number	E81893		
Appearance	Red		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm <sup>3</sup>	ASTM D792
Water Absorption (Equilibrium)	0.20	%	ASTM D229
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	62		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.8	MPa	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Compressive Strength	207	MPa	ASTM D695
Shear Strength	96.5	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	510	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.59 mm, Oil)	21	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	5.20		ASTM D150
Dissipation Factor (60 Hz)	0.060		ASTM D150
Arc Resistance	194	sec	ASTM D495
Comparative Tracking Index	> 600	V	

Inclined-Plane Tracking	> 1000	min	ASTM D2303
Dielectric Strength - Step-By-Step In Oil <sup>1</sup>	55000	V	ASTM D149
Flame Resistance			ASTM D229
Burning Time	33.0	sec	
Ignition Time	130.0	sec	
Radiant Panel Listing (UL) - Flame Spread	5.00		ASTM E162
Smoke Density - at 4.0 minutes, flaming	0.0		ASTM E662
Bond Strength (1.27 cm)	9.65	MPa	ASTM D229
Temperature Rating	160	°C	
Tunnel Test - Flame Spread (6.35 mm)	< 25.0		ASTM E84
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			

1. Parallel

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#### Recommended distributors for this material

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