

GPO-3

H950

12/8/2009

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.

Physical	Test Method	Unit	Result
Barcol Hardness	Barcol	Scale	62
Specific Gravity	D-792		1.80
Density, <i>Lbs/In³</i>		Lbs/Cu. In.	0.065
Water Absorption, %	D-229	%	0.20
UL Flammability, File# E81893	UL94	Class	94V-O
Flame Resistance, <i>Seconds</i>			
Ignition Time	D-229	Seconds	130
Burning Time	D-229	Seconds	33
Radiant Panel	E-162	Flame Spread	5.0
Smoke Density at 4.0 minutes, flaming	E-662	Optical Density	0
Tunnel Test, 1/4" Thickness	E-84	Flame Spread	<25
Temperature Class*	--	Degrees C	160
Mechanical			
Tensile Strength, <i>PSI</i>	D-638	PSI	11,000
Flexural Strength, <i>PSI</i>	D-790	PSI	25,000
Modulus of Elasticity in Flexure, <i>PSI</i>	D-790	X10 ⁶ PSI	1.50
Compressive Strength, <i>PSI</i>	D-695	PSI	30,000
Bond Strength, 1/2" Thickness, <i>PSI</i>	D-229	PSI	1400
Shear Strength, <i>PSI</i>	D-732	PSI	14,000
Impact Strength, Izod Edgewise	D-256	Ft lbs/In. Notch	9.5
Electrical			
Dielectric Strength, ⊥, Short Time In Oil 1/16", <i>VPM</i>	D-149	VPM	525
Dielectric Strength, Parallel, Step-By-Step In Oil, <i>KV</i>	D-149	KV	55.0
Arc Resistance, <i>Seconds</i>	D-495	Seconds	194



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ENGINEERING DATA

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Comparative Track Index	CTI	Seconds	600+
Incline Plane Track Resistance	D-2303	Minutes	>1000
Dielectric Constant @60HZ	D-150		5.20
Dissipation Factor @ 60 Hz	D-150		0.06

Unless otherwise indicated, all properties published are based on test performed on standard ASTM test samples and according to ASTM test methods. Values shown are for test samples made from production materials and they are believed to be conservative. No warranty is to be construed, however, in fabricated or molded form, parts may vary considerably from this standard test data. Where specific or unusual applications arise, test should be made on actual parts, and test procedures agreed upon between Haysite Reinforced Plastics and the customer.