

GPO-3

H900

8/11/2011

H900 is recognized throughout the world as a reliable, consistent GPO-3 material. Standard size sheets are available in thicknesses ranging from .094" to 2.00". H900 also exhibits excellent smoke, flame and toxicity characteristics. Govt. Spec I-24768/6. Standard color - red.

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	0.33
Composition of Smoke	MIL-M-14G	Unit	Result
	Hydrogen Chloride		0
	Hydrogen Cyanide		<1
	Ammonia		0
	Aldehydes	ppm	12
	Oxides of Nitrogen		46
	Carbon Dioxide		4,875
	Carbon Monoxide		158
Mechanical			
Tensile Strength, <i>PSI</i>	D-638	PSI	9,000
Flexural Strength, <i>PSI</i>	D-790	PSI	18,000
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	8.0

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Electrical			
Dielectric Strength, \perp , Short Time In Oil 1/16", <i>VPM</i>	D-149	VPM	450
Dielectric Strength, Parallel, Step-By-Step In Oil, <i>KV</i>	D-149	KV	55.0
Arc Resistance, <i>Seconds</i>	D-495	Seconds	190
Comparative Track Index	CTI	Seconds	600+
Inline 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.