Haysite H258 Polyester Laminate

Category : Polymer , Thermoset , Composite SMC , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

Solder Pallet and Work Holder Sheet A high temperature polyester laminate that exhibits excellent retention of mechanical properties and dimensional stability at elevated temperatures. Applications include wave solder pallets where static dissipative properties are not required. Standard color is grey. Available thicknesses from 1/8" to 1/2" and 4mm to 12mm. Sheet sizes are 36" X 72" and 48" X 60", special thicknesses and custom sheet sizes are available.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-H258-Polyester-Laminate.php

Physical Properties	Metric	English	Comments
Density	1.98 g/cc	0.0715 lb/in³	ASTM D572
Water Absorption	0.16 %	0.16 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	52	52	
Tensile Strength, Ultimate	110 MPa	16000 psi	
Flexural Strength	172 MPa	24900 psi	
Flexural Modulus	12.0 GPa	1740 ksi	
Compressive Strength	234 MPa	33900 psi	
Shear Strength	103 MPa	14900 psi	ASTM D732
Izod Impact, Notched	5.40 J/cm	10.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.290 W/m-K	2.01 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	>= 300 °C	>= 572 °F	Service Operating temperature.

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.2 @Frequency 60 Hz	4.2 @Frequency 60 Hz	ASTM D150
Dielectric Strength	16.0 kV/mm @Thickness 3.20 mm	406 kV/in @Thickness 0.126 in	Perpendicular, Short Time in Oil and Air; ASTM D149

Electrical Properties	Metric	English	Comments
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	150 sec	150 sec	ASTM D495

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