

Haysite SDL[®] H261 Polyester, Static Dissipative

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

H261 is an advanced composite that combines high temperature resistant and high strength characteristics with static dissipative properties for use as wave and reflow solder pallets. SDL Grade H261 may be used as dedicated or adjustable flow solder carriers as well as surface mount pallets. Listed below are the expected performance properties of this material. H261 is available in sanded thicknesses from 3, 5, 6, 8, 10 and 12mm and in sheet sizes 36" x 72" and 48" x 96". Standard color is Black. Information provided by Haysite

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-SDL-H261-Polyester-Static-Dissipative.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.83 g/cc	1.83 g/cc	ASTM D792
Water Absorption	0.16 %	0.16 %	ASTM D651
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	48	48	ASTM D2583
Flexural Strength	41.73 MPa	6053 psi	LW; ASTM D790
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	44.73 MPa	6487 psi	CW; ASTM D790
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	186.76 MPa	27087 psi	LW; ASTM D790
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
	228.02 MPa	33071 psi	CW; ASTM D790
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
Flexural Modulus	0.00406 GPa	0.589 ksi	LW; ASTM D790
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	0.00456 GPa	0.661 ksi	CW; ASTM D790
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	0.01043 GPa	1.513 ksi	LW; ASTM D790
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
	0.01143 GPa	1.658 ksi	

Mechanical Properties	Metric	English	Comments
	@ Temperature 25.0 Â°C	@ Temperature 77.0 Â°F	QW-ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	20.7 Âµm/m-Â°C	11.5 Âµin/in-Â°F	VSM 77110
Specific Heat Capacity	1.259 J/g-Â°C	0.3009 BTU/lb-Â°F	ASTM E-1269-05
Thermal Conductivity	0.425 W/m-K	2.95 BTU-in/hr-ftÂ²- Â°F	ASTM E-1925-06

Electrical Properties	Metric	English	Comments
Volume Resistivity	1e+05 - 1.00e+9 ohm- cm	1e+05 - 1.00e+9 ohm- cm	ASTM D257

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