

## Haysite SDL<sup>®</sup> H400 Polyester Composite

Category : Polymer , Thermoset , Polyester, TS

### Material Notes:

H400 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 H400 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. H400 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-H400-Polyester-Composite.php](http://www.lookpolymers.com/polymer_Haysite-SDL-H400-Polyester-Composite.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.84 g/cc	1.84 g/cc	ASTM D792
Water Absorption	0.23 %	0.23 %	ASTM D651
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 50	45 - 50	ASTM D2583
Flexural Strength	47.00 MPa	6817 psi	LW; ASTM D790
	@Temperature 200 Å°C	@Temperature 392 Å°F	
	50.00 MPa	7252 psi	CW; ASTM D790
	@Temperature 200 Å°C	@Temperature 392 Å°F	
	73.526 MPa	10664 psi	LW; ASTM D790
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	77.50 MPa	11240 psi	CW; ASTM D790
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	223.02 MPa	32347 psi	LW; ASTM D790
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
	238.00 MPa	34519 psi	CW; ASTM D790
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
Flexural Modulus	0.00615 GPa	0.892 ksi	LW; ASTM D790
	@Temperature 200 Å°C	@Temperature 392 Å°F	
	0.00680 GPa	0.986 ksi	

Mechanical Properties	Metric @ Temperature 200 Å°C	English @ Temperature 392 Å°F	CW; ASTM D790 Comments
	0.007129 GPa @Temperature 150 Å°C	1.034 ksi @Temperature 302 Å°F	LW; ASTM D790
	0.007963 GPa @Temperature 150 Å°C	1.155 ksi @Temperature 302 Å°F	CW; ASTM D790
	0.01532 GPa @Temperature 25.0 Å°C	2.222 ksi @Temperature 77.0 Å°F	LW; ASTM D790
	0.01616 GPa @Temperature 25.0 Å°C	2.344 ksi @Temperature 77.0 Å°F	CW; ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	24.1 Åµm/m-Å°C	13.4 Åµin/in-Å°F	VSM 77110
Specific Heat Capacity	0.946 J/g-Å°C	0.226 BTU/lb-Å°F	ASTM E-1269-05
Thermal Conductivity	0.428 W/m-K	2.97 BTU-in/hr-ftÅ²-Å°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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China