## IS550H

#### Very Low-CTE Materials with Extreme Thermal Stability

# isola





#### High Thermal Reliability • Halogen Free









### **IS550H - General Properties**

Property		Typical Value	Units	Test Method
			Metric (English)	IPC-TM-650 (or as noted)
Glass Transition Temperature (Tg) by DSC		200	°C	2.4.25C
Decomposition Temperature (Td) by TGA @ 5% weight loss		400	°C	2.4.24.6
Time to Delaminate by TMA (Copper removed)	T288	>60	Minutes	2.4.24.1
Z-Axis CTE	50 to 260°C, (Total Expansion)	2.2	%	2.4.24C
Thermal Conductivity		0.7	W/mK	ASTM E1952

The data, while believed to be accurate and based on analytical methods considered to be reliable, is for information purposes only. Any sales of these products will be governed by the terms and conditions of the agreement under which they are sold.

#### Product features

Industry Recognition	- CAF resistant
- UL File Number: E41625	- Low moisture absorption
- RoHS Compliant	<ul> <li>Lead-free assembly compatible</li> </ul>
Performance Attributes	- Halogen free

#### Product availability

Standard Material Offering:	- RTF (Reverse Treat Foil)
Laminate	Copper Weight
- 2 to 60 mil (0.05 to 1.5 mm)	- $\frac{1}{2}$ to 2 oz (18 to 70 $\mu$ m) available
Copper Foil Type	- Heavier copper available
- HTE Grade 3	

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