

Arlon CuClad 6250 Bonding Film

Category : Polymer , Thermoplastic

Material Notes:

Thermoplastic Bonding Films Similar Dk and Df range to many PTFE laminates Benefits: Can be reheated to remelt and reflow bonding film Excellent Electrical Properties Typical Applications: Stripline Circuitry Multi-Layer Boards and Hybrid Con instructions for Microwave applications Attachment of Circuit Boards to Heavy Plate Heat Sinks Information provided by Arlon Materials for Electronics (MED).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-CuClad-6250-Bonding-Film.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D1505
Thickness	0.0381 microns	0.00150 mil	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	<= 75.0 °C	<= 167 °F	Continuous Use
Brittleness Temperature	-60.0 °C	-76.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	2.32 @Frequency 1.00e+10 Hz	2.32 @Frequency 1.00e+10 Hz	IPC TM-650
Dielectric Strength	>= 39.4 kV/mm	>= 1000 kV/in	ASTM D149
Dissipation Factor	0.0013 @Frequency 1.00e+10 Hz	0.0013 @Frequency 1.00e+10 Hz	IPC TM-650
Arc Resistance	130 - 140 sec	130 - 140 sec	ASTM D495

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