

Arlon CuClad 6700 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-6700-Bonding-Film.php

Physical Properties	Metric	English	Comments
Density	2.10 g/cc	0.0759 lb/in ³	ASTM D1505
Water Absorption	0.0050 %	0.0050 %	ASTM D570
Thickness	0.0381 microns	0.00150 mil	
	0.0762 microns	0.00300 mil	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	
Melting Point	184 °C	363 °F	Crystalline melt point; Hot stage
Maximum Service Temperature, Air	<= 176 °C	<= 349 °F	Continuous Use

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+18 ohm-cm	1.00e+18 ohm-cm	ASTM D257
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257
Dielectric Constant	2.35	2.35	IPC TM-650
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
Dielectric Strength	98.4 kV/mm	2500 kV/in	ASTM D149
Dissipation Factor	0.0025	0.0025	IPC TM-650
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	

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