

Advanced Ceramics MEXIM C ACL 2091

Category : Ceramic , Glass , Glass Ceramic

Material Notes:

Mexim C has been specially formulated to give an expansion closely matched to that of copper. It has high electrical insulation properties and good mechanical strength, and finds increasing application as a conformal insulating layer on copper substrates as well as conventional electrical lead-throughs. Information provided by Advanced Ceramics Limited (ACL)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Ceramics-MEXIM-C-ACL-2091.php

Physical Properties	Metric	English	Comments
Density	3.142 g/cc	0.1135 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.250 GPa	36.3 ksi	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	16.5 - 17.7 µm/m-°C	9.17 - 9.83 µin/in-°F	
	@Temperature 20.0 - 700 °C	@Temperature 68.0 - 1290 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	
	@Temperature 300 °C	@Temperature 572 °F	
Dielectric Constant	1.90e+17 ohm-cm	1.90e+17 ohm-cm	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Dielectric Constant	5.8	5.8	
	@Frequency 10000 Hz	@Frequency 10000 Hz	
Dielectric Constant	5.8	5.8	
	@Frequency 1e+8 Hz	@Frequency 1e+8 Hz	
Dielectric Constant	6.2	6.2	
	@Frequency 3.00e+9 Hz	@Frequency 3.00e+9 Hz	
Dielectric Strength	28.0 kV/mm	711 kV/in	Breakdown
	0.00020	0.00020	

Designation Factor Electrical Properties	Metric @Frequency 1e+8 Hz	English @Frequency 1e+8 Hz	Comments
	0.00085	0.00085	
	@Frequency 10000 Hz	@Frequency 10000 Hz	
	0.00265	0.00265	
	@Frequency 3.00e+9 Hz	@Frequency 3.00e+9 Hz	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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