

Lord Adhesives Metech 7600A Cermet Multilayer Dielectric Composition

Category : Ceramic , Glass , Glass Ceramic

Material Notes:

Dielectric composition 7600A is a glass-ceramic insulative film designed for use in high density multilayer hybrid circuits using either gold or palladium-silver conductors. 7600A fires at 850Å°C to a smooth, dense, blue colored film that matches the thermal coefficient of expansion of alumina. Top gold conductor layers of Metech 3610 and 3612 exhibit excellent wire bonding using both aluminum and gold wire respectively. Top conductor layers of 3615 platinum-gold and 3504 palladium-silver display excellent solderability and aged adhesion. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-Metech-7600A-Cermet-Multilayer-Dielectric-Composition.php

Physical Properties	Metric	English	Comments
Brookfield Viscosity	170000 - 190000 cP @Temperature 25.0 Å°C	170000 - 190000 cP @Temperature 77.0 Å°F	HBT, Spindle #SC4-14 @ 10rpm
Thickness	34.0 - 45.0 microns	1.34 - 1.77 mil	Fired

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	at 100VDC
Dielectric Constant	8.0 - 11 @Frequency 1000 Hz	8.0 - 11 @Frequency 1000 Hz	
Dielectric Breakdown	>= 600 V	>= 600 V	AC; 25 microns
Dissipation Factor	<= 0.25 @Frequency 1000 Hz	<= 0.25 @Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Coverage (cmÅ²/gm)	65-75	Calculated from 50 micron wet film
Via Resolution (microns)	200-250	

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