

CeramTec Ceramtape A Alumina for Constrained Sintering

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

LTCC (Low Temperature Cofired Ceramic) is a new type of ceramic film developed by CeramTec AG's Electronics division. With the aid of these ceramics and their almost shrinkage-free sintering process, highly complex multilayer assemblies for electronic applications are possible. Apart from the automotive sector, LTCC is also ideally suited for the up-and-coming Bluetooth applications, medical apparatus, and consumer electronics. In the automotive sector, it is used for motor-management and ABS-systems. Ceramtape A is an alumina for constrained sintering.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CeramTec-Ceramtape-A-Alumina-for-Constrained-Sintering.php

Physical Properties	Metric	English	Comments
Density	2.19 - 2.49 g/cc	0.0791 - 0.0900 lb/in ³	Green
Thickness	40.0 - 60.0 microns	1.57 - 2.36 mil	PET
	315 - 385 microns	12.4 - 15.2 mil	on PET

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	>= 99 %	>= 99 %	

Descriptive Properties	Value	Comments
Heating Rate (K/min)	1 to 4	Firing Conditions
Laminating Pressure (kg/cm ³)	50-130	
Laminating Temperature (°C)	30-80	
Laminating Time (min)	0.5-3	
Peak Temperature (°C)	600-1100	Firing Conditions

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