

Arlon AD450A Glass, PTFE and Ceramic

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

High Dielectric Constant for Circuit Militarization & Patch Antenna Applications
Information provided by Arlon Materials for Electronics (MED).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-AD450A-Glass-PTFE-and-Ceramic.php

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in ³	
Water Absorption	0.060 %	0.060 %	
Thickness	3.05 microns	0.120 mil	

Mechanical Properties	Metric	English	Comments
Peel Strength	2.10 kN/m	12.0 pli	

Thermal Properties	Metric	English	Comments
CTE, linear	10.0 µm/m-°C	5.56 µin/in-°F	x direction
	10.0 µm/m-°C	5.56 µin/in-°F	y direction
CTE, linear, Transverse to Flow	40.0 µm/m-°C	22.2 µin/in-°F	z direction
Thermal Conductivity	0.400 W/m-K	2.78 BTU-in/hr-ft ² -°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.5	4.5	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
Dissipation Factor	0.0030	0.0030	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	

Descriptive Properties	Value	Comments
Temperature Coefficient of Dielectric (ppm/°C)	-200	

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