

Arlon AD430 Glass, PTFE and Micro-Dispersed 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-AD430-Glass-PTFE-and-Micro-Dispersed-Ceramic.php

Physical Properties	Metric	English	Comments
Density	2.10 g/cc	0.0759 lb/in ³	
Water Absorption	0.060 %	0.060 %	

Mechanical Properties	Metric	English	Comments
Peel Strength	2.98 kN/m	17.0 pli	

Thermal Properties	Metric	English	Comments
CTE, linear	9.00 µm/m-°C	5.00 µin/in-°F	x direction
	9.00 µm/m-°C	5.00 µin/in-°F	y direction
CTE, linear, Transverse to Flow	40.0 µm/m-°C	22.2 µin/in-°F	z direction
Thermal Conductivity	0.460 W/m-K	3.19 BTU-in/hr-ft ² -°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3	4.3	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	4.23	4.23	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	4.3	4.3	
	@Thickness 0.762 mm	@Thickness 0.0300 in	
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)	-55	

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