

Arlon AD255A Glass, PTFE and Micro-Dispersed Ceramic

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Lower Loss and Improved Performance over Traditional AD Series. Information provided by Arlon Materials for Electronics (MED).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-AD255A-Glass-PTFE-and-Micro-Dispersed-Ceramic.php

Physical Properties	Metric	English	Comments
Density	2.30 g/cc	0.0831 lb/in ³	
Water Absorption	0.040 %	0.040 %	

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

Thermal Properties	Metric	English	Comments
CTE, linear	16.0 $\mu\text{m}/\text{m}\cdot\text{C}$	8.89 $\mu\text{in}/\text{in}\cdot\text{F}$	x direction
	16.0 $\mu\text{m}/\text{m}\cdot\text{C}$	8.89 $\mu\text{in}/\text{in}\cdot\text{F}$	y direction
CTE, linear, Transverse to Flow	80.0 $\mu\text{m}/\text{m}\cdot\text{C}$	44.4 $\mu\text{in}/\text{in}\cdot\text{F}$	z direction
Thermal Conductivity	0.280 W/m-K	1.94 BTU-in/hr-ft ² -F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.55	2.55	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	@Thickness 0.762 mm	@Thickness 0.0300 in	
Dissipation Factor	0.0015	0.0015	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	

Descriptive Properties	Value	Comments
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Temperature Coefficient of Dielectric (ppm/°C) Descriptive Properties	-138 Value	Comments
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