

## Arlon AD320 Glass, PTFE and Micro-Dispersed Ceramic

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

### Material Notes:

Used in the RF and microwave industries, including base station antennas and BSA feed networks. Information provided by Arlon Materials for Electronics (MED).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-AD320-Glass-PTFE-and-Micro-Dispersed-Ceramic.php](http://www.lookpolymers.com/polymer_Arlon-AD320-Glass-PTFE-and-Micro-Dispersed-Ceramic.php)

Physical Properties	Metric	English	Comments
Density	2.40 g/cc	0.0867 lb/in <sup>3</sup>	
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	12.0 $\mu\text{m}/\text{m}^{\circ}\text{C}$	6.67 $\mu\text{in}/\text{in}^{\circ}\text{F}$	x direction
	15.0 $\mu\text{m}/\text{m}^{\circ}\text{C}$	8.33 $\mu\text{in}/\text{in}^{\circ}\text{F}$	y direction
CTE, linear, Transverse to Flow	95.0 $\mu\text{m}/\text{m}^{\circ}\text{C}$	52.8 $\mu\text{in}/\text{in}^{\circ}\text{F}$	z direction
Thermal Conductivity	0.235 W/m-K	1.63 BTU-in/hr-ft <sup>2</sup> -°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.2	3.2	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	@Thickness 0.508 mm	@Thickness 0.0200 in	
Dissipation Factor	0.0038	0.0038	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	

Descriptive Properties	Value	Comments
Temperature Coefficient of Dielectric (ppm/°C)	-110	

## Contact Songhan Plastic Technology Co.,Ltd.

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