

Arlon TC350 Glass, PTFE and Micro-Dispersed Ceramic

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

High Thermal Conductivity, Excellent Dielectric Constant Control and Phase Stability with Temperature Information provided by Arlon Materials for Electronics (MED).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-TC350-Glass-PTFE-and-Micro-Dispersed-Ceramic.php

Physical Properties	Metric	English	Comments
Density	2.30 g/cc	0.0831 lb/in ³	
Water Absorption	0.050 %	0.050 %	
Outgassing - Total Mass Loss	0.010 %	0.010 %	Collected Volatile
	0.020 %	0.020 %	Total Mass Loss

Mechanical Properties	Metric	English	Comments
Peel Strength	1.23 kN/m	7.00 pli	

Thermal Properties	Metric	English	Comments
CTE, linear	7.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	3.89 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	x direction
	7.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	3.89 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	y direction
CTE, linear, Transverse to Flow	23.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	12.8 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	z direction
Thermal Conductivity	1.03 W/m-K	7.15 BTU-in/hr-ft ² -°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.5	3.5	
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	3.5	3.5	
	@Thickness 0.127 mm	@Thickness 0.00500 in	
	3.5	3.5	
	@Thickness 6.35 mm	@Thickness 0.250 in	
Dissipation Factor	0.0020	0.0020	

Electrical Properties	@Frequency 1.00e+10 Metric	@Frequency 1.00e+10 English	Comments
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Descriptive Properties	Value	Comments
Temperature Coefficient of Dielectric (ppm/°C)	-9	

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