

Polyplastics Freqtis® P0813A (PPS/LCP), Molding Compound

Category : Polymer , Thermoplastic , Liquid Crystal Polymer (LCP) , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS); Molded

Material Notes:

Both base resins (PPS and LCP) exhibit excellent heat resistance, dimensional stability and molding processability. Therefore Freqtis® is widely used for surface mounted electronic components. In addition, these compounds have characteristics appropriate for high-frequency device materials on account of their low dielectric losses in high frequency regions. FREQTIS® molding compounds allow dielectric constant control through compounding with a high dielectric constant ceramic developed independently by Otsuka Chemical. p>Information provided by PolyPlastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastics-Freqtis-P0813A-PPSLCP-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	2.13 g/cc	0.0770 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Flexural Strength	130 MPa	18900 psi	Flexural Strain: 0.7%; ISO 178
Flexural Modulus	21.0 GPa	3050 ksi	ISO 178

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 µm/m-°C	11.1 µin/in-°F	ISO 11359-2
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	30.0 µm/m-°C	16.7 µin/in-°F	ISO 11359-2
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	8.0	8.0	Volumetric method
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.0020	0.0020	Perturbation method by cavity resonator
	@Frequency 3.00e+9 Hz	@Frequency 3.00e+9 Hz	

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