

Solvay Specialty Polymers solvene® T 2808 Electroactive Polymer (EAP)

Category : Polymer , Thermoplastic

Material Notes:

Annealing Temperature - < 135 °C; Breakdown Voltage - 250 kV/mm; Coercive Field - 50 kV/mm; Crystallization Point - ASTM D3418 123 °C; Curie Temperature - ASTM D3418 110 °C; d33 - -38.0 pC/N; Kt - 35 %; Molecular Weight - ISO 16014-1 150; Poling Field - < 200 kV/mm; Remanent Polarization - < 10.0 µC/cm²

Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-solvene-T-2808-Electroactive-Polymer-EAP.php

Physical Properties	Metric	English	Comments
Melt Flow	25 g/10 min	25 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	49.0 - 54.0 MPa	7110 - 7830 psi	ASTM D638
Tensile Strength, Yield	22.0 - 28.0 MPa	3190 - 4060 psi	ASTM D638
Elongation at Break	400 - 600 %	400 - 600 %	ASTM D638
Elongation at Yield	9.0 - 12 %	9.0 - 12 %	ASTM D638
Tensile Modulus	0.150 GPa	21.8 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	144 °C	291 °F	ASTM D3418

Electrical Properties	Metric	English	Comments
Dielectric Constant	28 @Frequency 1.00e+6 Hz	28 @Frequency 1.00e+6 Hz	ASTM D150

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	North America	
Form	Powder	

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