

Generic PI, TS

Thermoset Polyimide

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PI, TS

This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.34 to 1.87	g/cm ³	ASTM D792
--	1.42 to 1.53	g/cm ³	ASTM D1505
Water Absorption (23°C, 24 hr)	0.080 to 2.9	%	ASTM D570
Mechanical			
Nominal Value			
Tensile Elongation (Break, 23°C)	4.0 to 8.0	%	ASTM D638
Flexural Modulus (23°C)	2550 to 3220	MPa	ASTM D790
Flexural Strength (23°C)	58.6 to 254	MPa	ASTM D790
Compressive Strength (23°C)	20.7 to 237	MPa	ASTM D695
Films			
Nominal Value			
Film Thickness - Tested	24 to 78	µm	
Secant Modulus - MD	2790 to 3170	MPa	ASTM D882
Tensile Strength - MD (Break)	192 to 241	MPa	ASTM D882
Tensile Elongation - MD (Break)	72 to 95	%	ASTM D882
Elmendorf Tear Strength - MD	6.8 to 38	g	ASTM D1922
Impact			
Nominal Value			
Notched Izod Impact (23°C)	18 to 77	J/m	ASTM D256
Thermal			
Nominal Value			
CLTE - Flow	2.6E-5 to 4.9E-5	cm/cm/°C	ASTM D696
RTI Elec	130 to 240	°C	UL 746
RTI Str	130 to 210	°C	UL 746
Electrical			
Nominal Value			
Volume Resistivity (23°C)	4.0E+12 to 5.8E+15	ohms · cm	ASTM D257
Dielectric Strength (23°C)	15 to 310	kV/mm	ASTM D149
Dielectric Constant (23°C)	2.95 to 3.45		ASTM D150
Dissipation Factor (23°C)	8.0E-4 to 2.1E-3		ASTM D150

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