



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
 POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Glass Filament Tapes

Description: The glass filament, coupled with polyester film, provides a high tensile strength, making these products excellent choices for heavy duty bundling and insulation.

Part #	Backing	Total Thickness (mm)	Adhesive Type	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
423	6.5mil Polyester Glass	7.5	Acrylic	45(5.0)	300(528)	5%	6000	155
51597	5.5mil Polyester Glass	6.5	Acrylic	45(5.0)	220(385)	5%	5000	155
51599	5.0mil Polyester Glass	6.5	Rubber Thermosetting	60(6.6)	350(613)	5%	5000	130

Item: Polyimide Film Tapes

Description: The heat resistance and dielectric strength of polyimide tapes make them excellent choices for high temperature insulation and processing applications.

Part #	Backing	Total Thickness (mm)	Adhesive Type	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
*4118	Kapton	2.2	Silicone	25(2.8)	30(44)	60%	7000	180
*4428	1mil Polyimide	2.2	Silicone	25(2.8)	30(44)	60%	7000	180
*4429	2mil Polyimide	3.5	Silicone	20(2.2)	55(96)	60%	11000	180
51579	1mil Polyimide	1.8	Thermosetting Acrylic	35(3.8)	30(52)	60%	7000	155

All of the information, suggestions, and recommendations believed to be accurate; however, the final decision contemplated, the manner of such use, and whether expressed or implied, including, without limitation, warranty of merchantability or fitness for a particular purpose. Under no circumstances shall

the manufacturer be liable for incidental or consequential damages. The user shall be responsible for the termination of the warranty of merchantability or fitness for a particular purpose. Under no circumstances shall

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