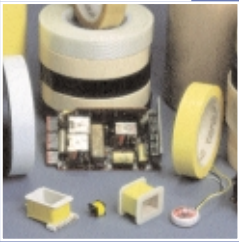
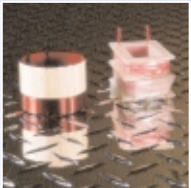




Electrical & Electronic Tape Products



intertape polymer group™

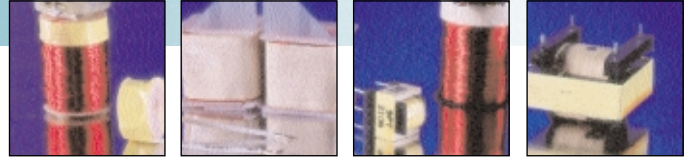




Intertape® brand Electrical and Electronic Tapes offer a wide range of backings and adhesive systems to meet the application requirements of the industry. These specialty products are manufactured under the strictest standards with performance reliability in mind. Many IPG Electrical Insulation Tapes carry UL Recognition (File #E20780) and are CSA Certified (File #LR96327).

Polyester Films

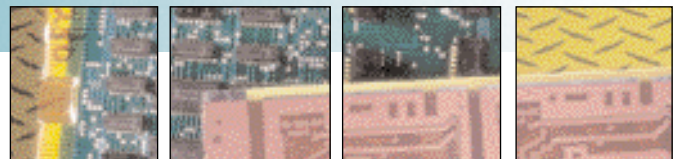
Polyester tapes exhibit excellent conformability and high dielectric strength per mil of thickness. Acrylic adhesives enhance these films by giving the products good chemical and solvent resistance.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
51560†	1 mil Polyester	2.1 (0.053)	Acrylic	White, Yellow	40 (4.4)	25 (44)	100%	5,000	130
51562†	2 mil Polyester	3.4 (0.087)	Acrylic	White, Yellow	45 (5.0)	50 (88)	100%	7,500	130
51587	1 mil Polyester	2.2 (0.056)	Rubber Thermosetting	Black, Yellow	50 (5.5)	25 (44)	100%	5,000	130
51588	1 mil Polyester	2.2 (0.056)	Rubber Thermosetting	Clear	50 (5.5)	25 (44)	100%	5,000	130
51589	1 mil Polyester	2.2 (0.056)	Acrylic	Clear, Black Yellow	32 (3.5)	25 (44)	100%	5,000	130
51592	2 mil Polyester	3.7 (0.095)	Acrylic	Clear, White Yellow	40 (4.4)	50 (88)	100%	7,500	130
51594	1 mil Polyester	2.0 (0.051)	Rubber Thermosetting	Yellow	45 (5.0)	25 (44)	100%	5,000	130
54107	1 mil Polyester	2.4 (0.060)	Rubber Thermosetting	Yellow	40 (4.4)	25 (44)	100%	5,000	130
54108	1 mil Polyester	2.4 (0.060)	Cured Rubber	Off-White	50 (5.5)	25 (44)	100%	5,000	130
54113	1 mil Polyester	2.4 (0.060)	Acrylic	Clear, Yellow	45 (5.0)	25 (44)	100%	5,000	130
54143	1.4 mil Polyester	3.0 (0.076)	Acrylic	Clear, Yellow	50 (5.5)	38 (66)	100%	7,500	130

Paper Masking

Masking Tapes designed for temporary holding applications during construction of electrical components. Also ideally suited for die-cutting.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
PG-5	Fine Structured Crepe	6.3 (0.160)	Natural Rubber Solvent	Natural	33 (3.6)	25 (44)	10%	N/A	N/A
PG-21‡	Fine Structured Crepe	7.3 (0.185)	Natural Rubber Solvent	Natural	29 (3.2)	27 (47.5)	10%	N/A	N/A
PG-47‡	Fine Structured Crepe	7.9 (0.200)	Natural Rubber Solvent	Natural	36 (4.0)	28 (49)	10%	N/A	N/A
PG-48‡	Fine Structured Crepe	7.5 (0.190)	Natural Rubber Solvent	Natural	27 (3.0)	24 (42)	9%	N/A	N/A

Figures shown are averages and should not be used in writing specifications. Similar test conducted on any one sample may show varying results. Test conducted in accordance with ASTM D-1000.

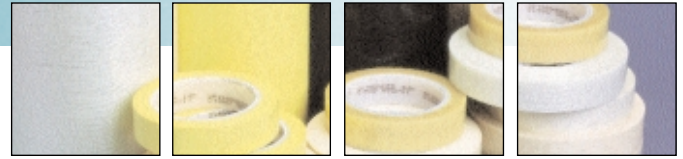
**Products with Dielectric Strength Value are UL Recognized. † Passes UL 510 Flame Retardancy ‡Performance Product



Electrical & Electronic

Polyester Laminates

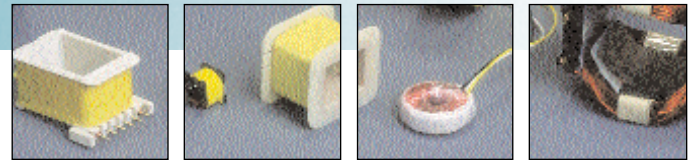
The two constructions of these laminates each offer unique properties. Paper/Polyester offers bulk, stiffness and is hand tearable. Polyester/Non-Woven offers excellent puncture resistance, conformability and with acrylic adhesives, higher temperature performance.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
4426	4 mil Polyester Rope Fiber	6.5 (0.165)	Rubber Thermosetting	Black, Natural	50 (5.5)	45 (80)	4%	5,500	130
4427	3.5 mil Polyester Rope Fiber	6.0 (0.160)	Rubber Thermosetting	Natural	50 (5.5)	40 (70)	2%	4,500	130
51578	3.5 mil Polyester Rope Fiber	6.0 (0.160)	Rubber Thermosetting	Natural	60 (6.6)	40 (70)	2%	4,500	130
51593	3.0 mil Polyester Non-Woven	4.0 (0.102)	Acrylic	White	45 (5.0)	25 (44)	25%	4,500	155
51595	3.5 mil Polyester Non-Woven	4.5 (0.114)	Acrylic	White	45 (5.0)	30 (53)	30%	5,000	155
51596	3.5 mil Polyester Non-Woven	4.5 (0.114)	Rubber Thermosetting	Black, Natural	50 (5.5)	30 (53)	30%	5,000	130
51580	4 mil Polyester Non-Woven	5.0 (0.125)	Rubber Thermosetting	Black, Natural	45 (5.0)	45 (78)	25%	5,500	130

Glass Cloth

Flexibility and conformability are key features of this product group. High heat resistance and tensile strength of the glass cloth fulfill many electrical insulation application requirements.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
461FR†	Glass Cloth	7.25 (0.184)	Rubber Thermosetting	Black, Natural	40 (4.4)	175 (307)	3%	2,500	130
4616	Glass Cloth	7.0 (0.178)	Rubber Thermosetting	Black, White	50 (5.5)	175 (307)	3%	2,500	155
4617	Glass Cloth	7.0 (0.178)	Thermosetting Acrylic	White	40 (4.4)	175 (307)	3%	2,500	155
4618†	Glass Cloth	7.0 (0.178)	Thermosetting Silicone	White	45 (5.0)	175 (307)	3%	2,500	200
4619†	Glass Cloth	10.0 (0.254)	Thermosetting Silicone	White	55 (6.0)	175 (307)	3%	4,500	200
4620†	Glass Cloth	7.0 (0.178)	Thermosetting Silicone	White	45 (5.0)	175 (307)	3%	2,500	200
54562	Glass Cloth	8.3 (0.210)	Thermosetting Acrylic	White	45 (5.0)	195 (345)	5%	2,500	155

Electrical & Electronic

Glass Filament

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



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
4238	6.5 mil Polyester Glass	7.5 (0.190)	Acrylic	Clear	45 (5.0)	300 (528)	5%	6,000	155
51597	5.5 mil Polyester Glass	6.5 (0.165)	Acrylic	Clear	45 (5.0)	220 (385)	5%	5,000	155
51599	5.0 mil Polyester Glass	6.5 (0.165)	Rubber Thermosetting	Clear	60 (6.6)	350 (613)	5%	5,000	130
RG3	Polyester Glass	4.9 (0.124)	Natural Rubber Solvent	Clear, Natural	41 (4.6)	131 (231)	3%	N/A	N/A
RG12	Polyester Glass	6.2 (0.157)	Natural Rubber Solvent	Clear	40 (4.4)	275 (484)	4%	N/A	N/A
RG15	Polyester Glass	5.6 (0.142)	Natural Rubber Solvent	Clear	39 (4.3)	175 (308)	4%	N/A	N/A

Polyimide Films

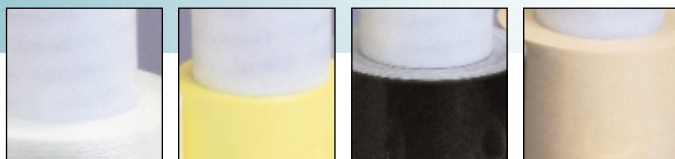
The heat resistance and dielectric strength of polyimide tapes make them excellent choices for high temperature insulation and processing applications.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	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 (0.056)	Silicone	Amber	25 (2.8)	30 (44)	60%	7,000	180
4428†	1 mil Polyimide	2.2 (0.056)	Silicone	Amber	25 (2.8)	30 (44)	60%	7,000	180
4429†	2 mil Polyimide	3.5 (0.089)	Silicone	Amber	20 (2.2)	55 (96)	60%	11,000	180
51579	1 mil Polyimide	1.8 (0.046)	Thermosetting Acrylic	Amber	35 (3.8)	30 (52)	60%	7,000	155

Acetate Cloth

Acetate cloth backing and a thermosetting rubber adhesive system create a hand tearable product with high adhesion, conformability, printability and excellent insulating properties.



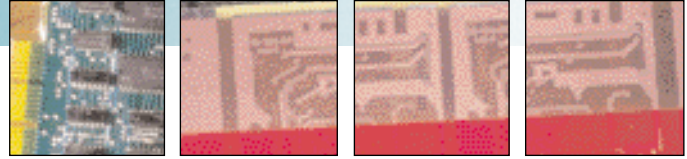
Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
4560	Acetate Cloth	7.0 (0.178)	Rubber Thermosetting	Black, White	45 (5.0)	40 (70)	15%	2,000	130
4570†	Acetate Cloth	7.5 (0.19)	Rubber Thermosetting	Black, White	38 (4.2)	40 (70)	15%	2,500	130

Electronic Tape Products



Paper Electronic

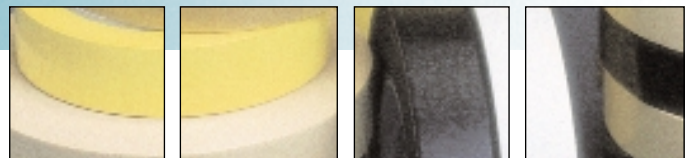
Paper Electronic Tapes are designed to satisfy a variety of in-process and packaging needs of 'Through-Hole' electronic component manufacturers.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
BD-1†	Rope Flatback Paper	6.2 (0.158)	Synthetic Rubber	Blue, White	60 (6.6)	50 (88)	3.5%	N/A	N/A
BD-2†	Flatback Kraft Paper	6.4 (0.163)	Synthetic Rubber	Blue, White	44 (4.8)	30 (53)	3%	N/A	N/A
BD-4†	Medium Kraft Paper	6.2 (0.158)	Synthetic Rubber	Blue, White	33 (3.6)	24 (42)	11%	N/A	N/A
BD-21†	Fine Structured Crepe	7.3 (0.186)	High Temperature Rubber	Natural	28 (3.0)	26 (46)	10%	N/A	N/A
BD-24†	Medium Crepe Paper	6.2 (0.157)	Synthetic Rubber	Blue, Natural	39 (4.3)	22 (38.5)	7%	N/A	N/A
PG-45†	Structured Crepe Paper	7.6 (0.193)	Synthetic Rubber	Natural	40 (4.4)	21 (37)	16%	N/A	N/A
HA-74†	Smooth Crepe Paper	7.0 (0.178)	Heat Activated Thermosetting	Natural	N/A	27 (47)	16%	N/A	N/A

Specialty

The unique characteristics of these tapes make them ideally suited for high voltage insulation applications. Zone coating allows for complete impregnation of the varnish.



Product Number	Backing	Total Thickness mils (mm)	Adhesive Type	Colors	Adhesion to Steel oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation	Dielectric Strength Total Volts	Temp Rating °C
56228FR†	2.0 mil Nomex®	3.5 (0.089)	Acrylic	Off-White	40 (4.4)	25 (44)	8%	2,500	155
54356	8.5 mil Polyester Nomex®	10 (0.254)	Acrylic	Off-White	50 (5.5)	25 (44)	80%	6,000	155
4564	2.4 mil Polyester Fleece	6.9 (0.175)	Acrylic Zone-Coated	Natural	32 (3.6)	17 (30)	35%	500	130
4500	Fluorocarbon Film	3.6 (0.092)	Acrylic Thermosetting	Clear	30 (3.3)	N/A	N/A	9,000	N/A



intertape polymer group™

