

Acetate Cloth Tape

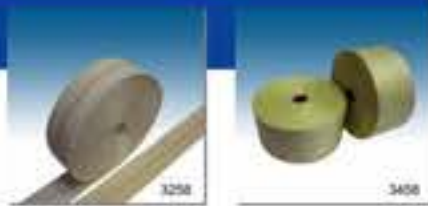
Acetate cloth coated with rubber and acrylic adhesive create a hand tearable products with high adhesion, conformability, printability and excellent insulating properties



Product Number	Backing/Adhesive	Total Thickness mils(mm)	Colors	Adhesion Strength oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation (%)	Dielectric Strength Total Volts	Temp Rating °C
CGSTAPE-4158	Acetate cloth with rubber	7.0(0.18)	Black, White	40(4.4)	40(70)	15	2000	130
CGSTAPE-4258	Acetate cloth with acrylic	7.0(0.18)	Black, White	35(4.0)	40(70)	15	2000	155

Cotton And Fiberglass Tape

Woven cotton and fiberglass tapes, with the feature of heat-resistance and insulation, can be used as bindings of coils for electrical machinery and appliance



Product Number	Backing	Thickness (mil)	Width(inch)		Density(strand/cm)		Tensile Strength (min,N/cm)	Texture
			Nominal	Tolerance	Warp	Weft		
CGSTAPE-3258	Cotton	7	1',2'	±0.05	27±2	11±1	700	Plain weave
CGSTAPE-3358	Fiberglass	5	1',2'	±0.05	27±2	11±1	600	Plain weave
CGSTAPE-3458	Fiberglass	7	1',1.5'	±0.05	20±1	10±1	700	Plain weave
CGSTAPE-3558	Fiberglass	10	1',1.5'	±0.05	19±1	11±1	800	Plain weave

Fiberglass Sleeving

Custom formulated silicone rubber and acrylic extruded over electrical grade braided fiberglass, extremely flexible, resists mechanical damage, excellent thermal endurance, push-back and good cut-through resistance



Product Number	Backing/Coating	Size	Grade	Dielectric Strength (Volts)	Temperature Class °C
CGSTAPE-2158	Fiberglass coated with silicone rubber	AWG #24 to 1"	A, B, C1, C2	7000, 4000, 2500, 1500	(-70°C to + 200°C)
CGSTAPE-2258	Fiberglass coated with acrylic	AWG #24 to 1"	A, B, C1, C2	7000, 4000, 2500, 1500	(-70°C to + 150°C)

Polyimide Film & Tape Electrical Insulating Materials



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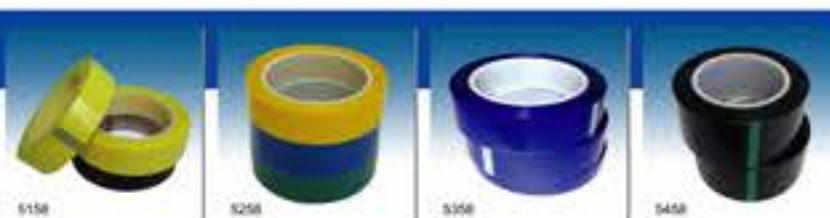
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CGS electronic tapes and electrical insulation materials offer a wide range of backings and adhesive systems to meet the industry requirements. These specialty products are manufactured under the strictest standards with performance reliability in mind, many CGS electrical insulation tapes carry UL recognition (file # E244657 and E245344).

Polyester Tape

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



Product Number	Backing/Adhesive	Total Thickness mils(mm)	Colors	Adhesion Strength oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation (%)	Dielectric Strength Total Volts	Temp Rating °C
CGTAPE-5158	1mil polyester with acrylic	2.5(0.064)	Yellow, Clear, Black	35(3.80)	25(44)	100	4200	155
CGTAPE-5258	1mil polyester with rubber	2.5(0.064)	Yellow, Clear, Black	45(5.00)	25(44)	100	4200	130
CGTAPE-5358	1mil polyester with silicone	2.7(0.070)	Blue, Yellow, Red	30(2.80)	25(44)	100	4200	180
CGTAPE-5458	2mil polyester with silicone	3.5(0.089)	Green, Yellow, Red	30(2.80)	50(88)	100	7000	180

Glass Cloth Tape

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/Adhesive	Total Thickness mils(mm)	Colors	Adhesion Strength oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation (%)	Dielectric Strength Total Volts	Temp Rating °C
CGTAPE-6558	5mil glass cloth with silicone	7.00(0.18)	White	40(4.4)	180(315)	5	3000	200
CGTAPE-6458	5mil glass cloth with acrylic	7.00(0.18)	White	40(4.4)	180(315)	5	3000	155
CGTAPE-6358	5mil glass cloth with rubber	7.00(0.18)	White	50(5.5)	180(315)	5	3000	130
CGTAPE-6258	D/C glass cloth with silicone	9.00(0.23)	White	40(4.4)	180(315)	5	3000	200
CGTAPE-6158	PTFE glass cloth with silicone	7.00(0.18)	Brown	40(4.4)	180(315)	5	3000	200

Glass Filament Tape

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



Product Number	Backing/Adhesive	Total Thickness mils(mm)	Colors	Adhesion Strength oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation (%)	Dielectric Strength Total Volts	Temp Rating °C
CGTAPE-6658	6.0mil polyester glass with acrylic	7.0(0.18)	Clear	45(5.0)	300(528)	5	6000	155
CGTAPE-6758	5.5mil polyester glass with rubber	6.5(0.165)	Clear	50(5.5)	220(385)	5	5000	130
CGTAPE-6858	6.5mil polyester glass with acrylic	7.5(0.19)	Clear	45(5.0)	350(616)	5	7000	155

Polyimide Tape

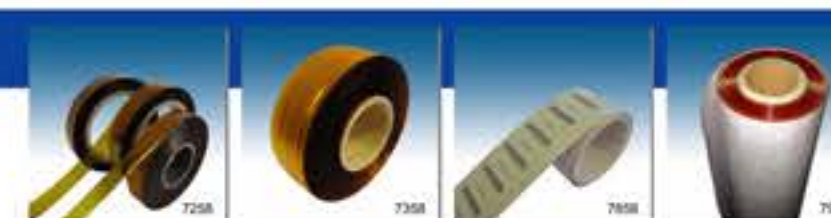
The heat resistance and dielectric strength of polyimide tapes make them excellent choices for high temperature masking and electrical insulation applications.



Product Number	Backing/Adhesive	Total Thickness mils(mm)	Colors	Adhesion Strength oz/in (N/cm)	Tensile Strength lbs/in (N/cm)	Elongation (%)	Dielectric Strength Total Volts	Temp Rating °C
CGTAPE-8058	1mil polyimide D/C with silicone	4(0.10)	Amber	25(2.80)	30(44)	55	6500	180
CGTAPE-8158	1mil polyimide with acrylic	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	155
CGTAPE-8257	0.5mil polyimide with silicone	1.5(0.038)	Amber	12.5(1.40)	10(15)	25	3000	180
CGTAPE-8258	1mil polyimide with silicone	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	180
CGTAPE-8258K	1mil kapton with silicone	2.5(0.064)	Amber	25(2.80)	30(44)	40	6000	180
CGTAPE-8358	2mil polyimide with silicone	3.5(0.089)	Amber	25(2.80)	50(73)	60	11000	180
CGTAPE-8358K	2mil kapton with silicone	3.5(0.089)	Amber	25(2.80)	50(73)	45	10000	180
CGTAPE-8359	2mil polyimide with acrylic	3.5(0.089)	Amber	25(2.80)	50(73)	60	11000	155
CGTAPE-8458	5mil polyimide with silicone	6.5(0.165)	Amber	25(2.80)	98(144)	65	18000	180
CGTAPE-8458K	5mil kapton with silicone	6.5(0.165)	Amber	25(2.80)	98(144)	50	15000	180
CGTAPE-8459	5mil polyimide with acrylic	6.5(0.165)	Amber	25(2.80)	98(144)	65	18000	155
CGTAPE-8460	3 mil polyimide with silicone	4.5(0.115)	Amber	25(2.80)	80(117)	60	15000	180
CGTAPE-8558	1mil polyimide/silicone + PET liner	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	180
CGTAPE-8658	2mil polyimide/silicone + PET liner	3.5(0.089)	Amber	25(2.80)	50(73)	60	11000	180
CGTAPE-8758	5mil polyimide/silicone + PET liner	6.5(0.165)	Amber	25(2.80)	98(144)	65	18000	180
CGTAPE-8858	1mil polyimide discs/silicone	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	180
CGTAPE-8859	1mil polyimide discs/acrylic	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	155
CGTAPE-8860	1mil ESD polyimide discs/silicone	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	180
CGTAPE-8958	1mil ESD polyimide with silicone	2.5(0.064)	Amber	25(2.80)	30(44)	55	6500	180

Polyimide Film

The heat resistance and dielectric strength of polyimide film make them excellent choices for motor and coil insulation, masking tape and polyimide bar code label applications.



Product Number	Description	Thickness Tolerance (max.)	Adhesion Strength oz/in (N/cm)	Tensile Strength psi (lbs/inch)	Elongation (%)	Dielectric Strength v/mil	Dielectric Constant at 1 kHz max.	Volume Resistivity ohm-cm at 200°C min.
CGS-7258(1mil)	1mil HN polyimide film	1mil (+/-10%)	N/A	24,000	40	6000	3 - 4	1x10 ¹⁵
CGS-7258(2mil)	2mil HN polyimide film	2mil (+/-10%)	N/A	24,000	45	5000	3 - 4	1x10 ¹⁵
CGS-7258(5mil)	5mil HN polyimide film	5mil (+/-10%)	N/A	24,000	50	3500	3 - 4	1x10 ¹⁵
CGS-7258(10mil)	10mil HN polyimide film	10mil (+/-8%)	N/A	24,000	50	3000	3 - 4	1x10 ¹⁵
CGS-7358(616)	0.1mil FEP/1mil polyimide/0.1 mil FEP	1.2mil (+/-10%)	21(2.4)	24,000	40	5000	3 - 4	1x10 ¹⁵
CGS-7358(019)	1mil polyimide/0.5mil FEP	1.5mil (+/-10%)	21(2.4)	24,000	40	4000	3 - 4	1x10 ¹⁵
CGS-7458(1mil)	1mil VN polyimide film	1mil (+/-10%)	N/A	24,000	40	6000	3 - 4	1x10 ¹⁵
CGS-7458(2mil)	2mil VN polyimide film	2mil (+/-10%)	N/A	24,000	50	5000	3 - 4	1x10 ¹⁵
CGS-7558(1mil)	1mil black polyimide film	1mil (+/-10%)	N/A	24,000	40	6000	3 - 4	1x10 ¹⁵
CGS-7658(1mil)	1mil CR polyimide film	1mil (+/-10%)	N/A	24,000	40	6000	3 - 4	1x10 ¹⁵
CGS-7758(1mil)	1mil anti-static polyimide film	1mil (+/-10%)	N/A	24,000	40	6000	3 - 4	1x10 ¹⁵
CGS-7858(1mil)	1mil white polyimide/acrylic	2.5mil (+/-5%)	25(2.80)	24,000	40	6000	3 - 4	1x10 ¹⁵
CGS-7858(2mil)	2mil white polyimide/acrylic	3.5mil (+/-5%)	25(2.80)	24,000	50	5000	3 - 4	1x10 ¹⁵
CGS-7958(2-2-2)	2mil nomex/2mil polyimide/2mil nomex	7.0 mil (+/-5%)	N/A	(100)	10	2000	3 - 4	1x10 ¹⁵
CGS-7958(3-3-3)	3mil nomex/3mil polyimide/3mil nomex	10 mil (+/-5%)	N/A	(150)	12	2000	3 - 4	1x10 ¹⁵

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