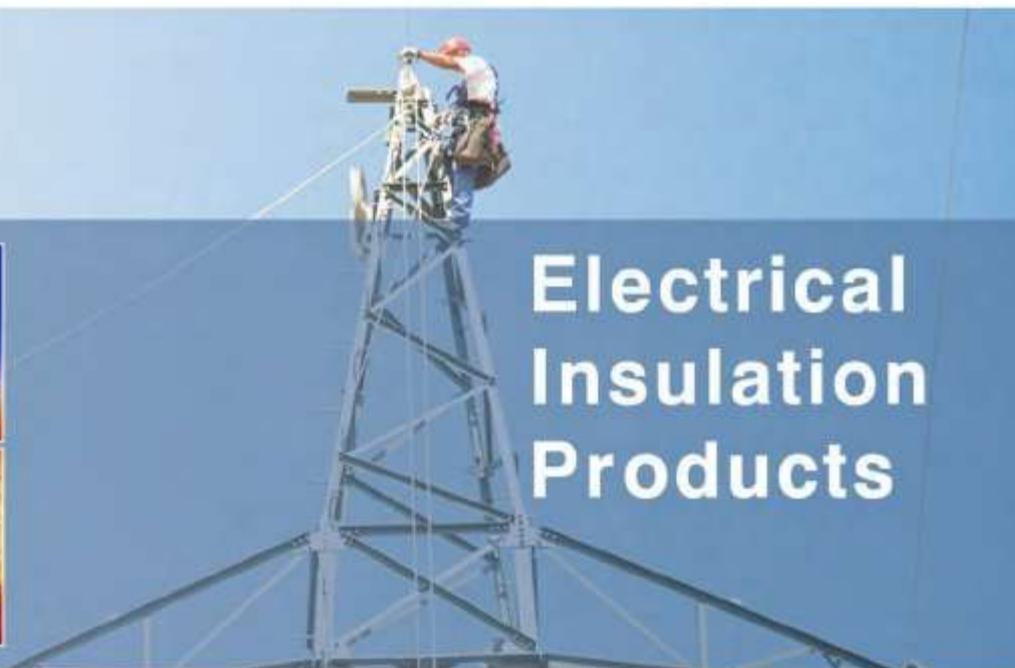
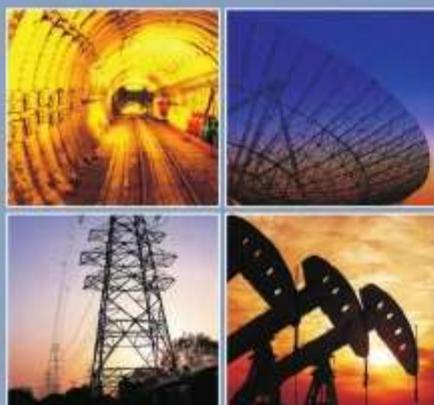


SHENZHEN COTRAN INDUSTRIAL MATERIAL CO.,LTD

COTRAN



Electrical
Insulation
Products

COTRAN

COMPANY PROFILE

Shenzhen Cotran Industrial Material Co., Ltd. is a leading supplier of electrical insulation and moisture sealing products that are sold to a broad range of customers including distributors of electrical materials, power utilities, telecommunication companies, mines, original equipment manufacturers, governments and retailers. Cotran's product range consists of mastic and rubber backed mastic water sealing tapes, cold shrink tubes, ethylene propylene rubber (EPR) based self-amalgamating high voltage insulating and semi-conducting tapes, vinyl electrical tapes and other special purpose tapes and related products.

The company has a certificate of compliance with ISO 9000 quality management standards; and, its products have been tested to and comply with relevant ASTM and other industry standards.

The founders of Cotran all have a background in the rubber and plastics industry and bring many years of technical, engineering, manufacturing, quality assurance, sales and general management experience to the company. This wealth of experience has helped the company take a leading position in the markets it serves.

Cotran takes great pride in offering the highest quality products possible that are equal or superior to those of not only its China based competition but also its international competitors.

Over the years Cotran has successfully sold its products to the most quality conscious telecommunications companies, power utilities, mines and other important customers. The company's sales success comes from combining its high quality products with competitive pricing to keep its customers coming back for repeat purchases. Most large telecommunications companies with projects in China and abroad are using Cotran tapes.

In recent years Cotran has focused on developing the international market for its products. The company set up an International Sales Group with English speaking personnel to handle its international business.

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LIMITED WARRANTY

COTRAN warrants that its products will be free from material and manufacturing defects and will substantially follow the written specifications in its product data sheets for the time period indicated therein. COTRAN MAKES NO OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO THE PRODUCTS' MERCHANTABILITY AND SUITABILITY FOR THE BUYER'S PARTICULAR USE OR PURPOSE, AND, THE BUYER ASSUMES ALL RISKS ASSOCIATED THEREWITH. If any product is proved to be defective within the warranty period indicated above, the buyer's sole remedy under this product warranty is purchase price refund or replacement of the product quantity purchased that is proved defective. COTRAN will not be liable for any damage or loss resulting from any of its products, whether collateral, direct, indirect, consequential, incidental or other.

RETURN GOODS POLICY

Return of any COTRAN product must have prior written authorization from the company's International Sales Department. No product return will be accepted without such prior written authorization. Any product being returned under COTRAN's limited warranty must fully comply with the conditions set forth in the company's written Limited Warranty.

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KC70

Fire Proofing Tape



Description

KC70 is a self-amalgamating nitrile-butadiene rubber tape used for protecting all types of power and telecommunication cables from arcing and fire damage. The tape is put up on an easily removed disposable separator and conforms well during the taping process. When exposed to flame KC70 will generate a thermally insulating residue for cable protection. The tape is ideal for use wherever cables are located in close proximity such as manholes, vaults, service entrance in large buildings, cable trays, substations, subway lines, train stations, industrial plants and other situations where flame protection is desired. KC70's self-amalgamation property allows quicker and more secure application compared to competing products that are not self-amalgamating.

Application

Fire proofing of all types of cables that are close together in confined spaces.

Dimensions

3" x .030" x 20' / 76mm x 0,76mm x 6m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Tensile Strength	6.1	GB/T 2951.11-2008
Elongation at Break	510	GB/T 2951.11-2008
Elongation at Low Temperature	131	GB/T 2951.14-2008
Self-Adhesion	Pass	GA 478-2004 5.10
Tidewater Resistance	Pass	GA 478-2004 5.6
Chemical Resistance	Pass	GA 478-2004 5.7— 5.9
Oxygen Index	45%	ASTM D 2885
Flammability	Pass	UL 94 V-0
Flame Resistance (carbonization height)	0.93m	GA 478-2004 5.11

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC71

EPR High Voltage Insulation Tape



Description

KC71 is a self-amalgamating ethylene propylene rubber (EPR) tape used on solid dielectric cable for electrical insulation and jacketing in splices up to 69kV and for building stress cones in terminations up to 35kV. The tape comes with a separator that is removed during the taping process. Its 0,76mm thickness and quick amalgamation facilitates a rapid, void free insulation build-up that is electrically stable and moisture proof. KC71 is suitable for use with conductors rated at 90°C with an emergency overload rating of 130°C. The tape is also resistant to corrosion, chemicals and ultra violet light. KC71 fully meets the Table 1 requirements for Type III tape in ASTM D 4388.

Application

- Electrical insulation and jacketing in splices of solid dielectric cable up to 69kV
- Building stress cones in terminations of solid dielectric cable up to 35kV
- Jacketing of indoor terminations
- Bus bar insulation and corrosion protection
- Jacket repair and restoration in all types of cable
- Moisture sealing applications

Dimensions

3/4" x .030" x 30' / 19mm x 0,76mm x 9.1m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Thickness	0.76mm	ASTM D 4325
Tensile Strength	> 2 MPa	ASTM D 4325
Elongation at Break	> 680%	ASTM D 4325
Fusion	Pass	ASTM D 4388
Operating Temperature		
Continuous	90°C	ASTM D 4388
Emergency Overload	130°C	ASTM D 4388
Dielectric Strength	38.3kV/mm	ASTM D 4325
Dielectric Constant		
after water immersion		
24h@23°C	3.00	ASTM D 4325
after hot water immersion		
24h@70°C	3.11	ASTM D 4325
Dissipation Factor		
after water immersion		
24h@23°C	0.0398	ASTM D 4325
after hot water immersion		
24h@70°C	0.0314	ASTM D 4325
Volume Resistivity		
96h@23°C		
50% RH	1x10 ¹¹ Ω.cm	ASTM D 4325
96h@23°C		
96% RH	1x10 ¹¹ Ω.cm	ASTM D 4325
Water Absorption	0.13%	ASTM D 4325
Copper Corrosion	Pass	ASTM D 69-06
Ozone Resistance	Pass	ASTM D 4388
UV Resistance	Pass	ASTM D 4388
Heat Exposure	Pass at 130°C	ASTM D 4388
Xenon-arc Exposure @1000h	Pass	ASTM D 4388

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC72

EPR Shielding Tape



Description

KC72 is a 0,76mm self-amalgamating ethylene propylene rubber (EPR) semi-conducting tape used on high voltage solid dielectric cable for conductor and insulation shielding in splices and terminations. The tape comes with a separator that is removed during the taping process. Both the tape and separator are printed with the advice that it is a semi-conducting tape. KC72 is suitable for use with conductors rated at 90°C with an emergency overload rating of 130°C. KC72 fully meets all requirements for Type IV tape in ASTM D 4388.

Application

- Electrostatic shielding in splices and terminations of solid dielectric cable
- Filling in around irregular shaped connectors
- Reconstitution of conductor shielding in high voltage splices
- Other shielding applications

Dimensions

3/4"x.030"x15'/19mm x 0,76mm x 4,6m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Color	Black	
Thickness	0,76mm	ASTM D 4325
Tensile Strength	> 1.73MPa	ASTM D 4325
Elongation at Break	> 935%	ASTM D 4325
Fusion	Pass	ASTM D 4388
Operating Temperature		
Continuous	90°C	ASTM D 4388
Emergency Overload	130°C	ASTM D 4388
Volume Resistivity	1x10 ¹¹ Ω.cm	ASTM D 4325
Ozone Resistance	Pass	ASTM D 4388
UV Resistance	Pass	ASTM D 4388
Heat Exposure	Pass at 130°C	ASTM D 4388
Xenon-arc Exposure @ 1008h	Pass	ASTM D 4388

*Data in table represent average of test results and are not to be used for specification purposes.
 *The product user should make their own tests to determine the product's suitability for their intended use.

KC73

Silicone Rubber Tape



Description

KC73 is a self-amalgamating silicone rubber tape used for jacketing high voltage solid dielectric cable terminations through 69kV and as primary insulation for silicone rubber cables where Class "H" continuous temperatures of 180°C exist. The tape is put up on an easily removed disposable separator. KC73 is track and arc resistant with excellent conformability and weathering characteristics. The tape is also resistant to corrosion, chemicals, ozone and ultra violet light. Use for terminations outdoors or in areas subject to contamination and moisture. Available in several colors for phase identification in 3 core cable.

Application

- Jacketing of high voltage solid dielectric cable terminations up to 69kV located outdoors or in contaminated areas
- Primary electrical insulation for Class "H" silicone rubber cables with continuous temperatures of up to 180°C

- Phase identification in 3 core cable
- Oil stop applications in transition splices

Dimensions

1" x .020" x 30' / 25mm x 0,51mm x 9m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Color	Grey/Red/Green/Yellow	
Tensile Strength	33.1N/10mm	ASTM D 4325
Elongation at Break	554%	ASTM D 4325
Fusion	Pass	ASTM D 4388
Ozone Resistance	Pass	ASTM D 4388
UV Resistance	Pass	ASTM D 4388
Xenon-arc Exposure @ 1000h	Pass	ASTM D 4388

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC74

PIB Self Amalgamating Tape



Description

KC74 is self-amalgamating PIB (polyisobutylene rubber) medium voltage tape that provides good electrical properties for general purpose applications. Good conformability, easy to apply.

Application

- Insulating and jacketing of splices on power cables from 600 volts through 15kV
- Building stress cones and jacketing of terminations on power cables from 600 volts through 15kV
- Insulating and moisture sealing of telecommunication cable connections in base stations, antennas and aerial feeders
- Insulating and protecting bus components

Dimensions

3/4" x .020" x 33' / 19mm x 0.51mm x 10m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Thickness	0.51mm	ASTM D 4325
Tensile Strength	> 1.88 Mpa	ASTM D 4325
Elongation at Break	> 769%	ASTM D 4325
Fusion	Pass	ASTM D 4368
Operating Temperature		
Continuous	90°C	ASTM D 4368
Emergency Overload	130°C	ASTM D 4368
Dielectric Strength	32.9kV/mm	ASTM D 4325
Dielectric Constant	2.82	ASTM D 4325
Dissipation Factor	0.0015	ASTM D 4325
Water Absorption	0.06%	ASTM D 4325
Copper Corrosion	Pass	ASTM D 69-94
Ozone Resistance	Pass	ASTM D 4368
UV Resistance	Pass	ASTM D 4368
Heat Exposure	Pass at 130°C	ASTM D 4368
Xenon-arc Exposure @1000h	Pass	ASTM D 4368

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC75

Vinyl Mastic Tape



Description

A self-fusing mastic compound with a premium vinyl backing, which provides excellent electrical properties, superior adhesion, moisture and chemical resistance. Use for insulating overhead and direct buried low voltage connections, motor lead connections, cable and conduit repair. Easy to apply.

Application

- For insulating overhead and direct buried low voltage connections, motor lead connections and cable
- For splicing and sealing applications in CATV and electrical industries
- For conduit repair

Dimensions

1-1/2" x .025" x 20' / 38mm x 0.635mm x 6m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Adhesion Strength (to steel panel)	16.7N/10mm	ASTM D 1000
Adhesion Strength (to PE panel)	20.2N/mm	ASTM D 1000
Dielectric Strength	18.1kV/mm	ASTM D 4325
Water Absorption	0.20%	ASTM D 4325
Insulation Resistance	1.66×10^{11}	ASTM D 1000

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC76

Super High Voltage Insulation Tape



Description

KC76 is a self-amalgamating ethylene propylene rubber (EPR) tape used on solid dielectric cable for electrical insulation and jacketing in splices up to 138kV and for building stress cones in terminations up to 35kV. The tape comes with a separator that is removed during the taping process. Its 0.51mm thickness and quick amalgamation facilitates a rapid, void free insulation build-up that is electrically stable and moisture proof. KC76 is suitable for use with conductors rated at 90°C with an emergency overload rating of 130°C. The tape is also resistant to corrosion, chemicals and ultra violet light. KC76 fully meets the Table 1 requirements for Type V tape in ASTM D 4388.

Application

- Electrical insulation and jacketing in splices of solid dielectric cable up to 138kV
- Building stress cones in terminations of solid dielectric cable up to 35kV
- Excellent corona and ozone resistance
- Jacketing of indoor terminations
- Bus bar insulation and corrosion protection
- Jacket repair and restoration in all types of cable
- Insulation in transition joints
- Moisture sealing applications

Dimensions

3/4" x .020" x 30' / 19mm x 0,51mm x 9m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Thickness	0.509mm	ASTM D 4325
Tensile Strength	> 2.50MPa	ASTM D 4325
Elongation at Break	> 77%	ASTM D 4325
Fusion	Pass	ASTM D 4388
Operating Temperature		
Continuous	90°C	ASTM D 4388
Emergency Overload	130°C	ASTM D 4388
Dielectric Strength	43.4kV/mm	ASTM D 4325
Dielectric Constant		
after water immersion		
24h@23°C	2.58	ASTM D 4325
after hot water immersion		
24h@70°C	2.65	ASTM D 4325
Dissipation Factor		
after water immersion		
24h@23°C	0.0048	ASTM D 4325
after hot water immersion		
24h@70°C	0.0024	ASTM D 4325
Volume Resistivity		
@1h@23°C		
50% RH	1x10 ¹⁴ ohm.cm	ASTM D 4325
95% RH		
35% RH	6x10 ¹⁴ ohm.cm	ASTM D 4325
Water Absorption	0.12%	ASTM D 4325
Copper Corrosion	Pass	ASTM D 69-08
Ozone Resistance	Pass	ASTM D 4388
UV Resistance	Pass	ASTM D 4388
Heat Exposure	Pass at 130°C	ASTM D 4388
Xenon-arc Exposure @ 1000h	Pass	ASTM D 4388

*Data in table represent average of test results and are not to be used for specification purposes.
 *The product user should make their own tests to determine the product's suitability for their intended use.

KC78

Electrical Insulation Filler Tape



Description

KC78 is a self-amalgamating butyl rubber tape used on solid dielectric low voltage cable for electrical insulation and filling in around irregular shaped connectors. The tape comes with a separator that is removed during the taping process. Its 3,175 mm thickness and quick amalgamation facilitates a rapid, void free insulation build-up that is electrically stable and moisture proof. The tape conforms easily using just finger pressure. Once applied KC78 should be overwrapped with KC63 vinyl tape or KC71 high voltage rubber tape.

Application

- Electrical insulation of splices and other connections on low voltage cable
- Filling in around split bolt and other irregular shaped connectors
- Padding bus-bar connections
- Moisture sealing high voltage splice ground leads
- Other moisture proofing applications

Dimensions

1.5" x .125" x 5' / 38mm x 3,175mm x 1,5m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Colour	Black	
Thickness	3.175mm	ASTM D 1000
Elongation	>602%	ASTM D 1000
Tensile Strength	3.72N/10mm	ASTM D 1000
Dielectric Strength	36.1kV/mm	ASTM D 1000
Insulation Resistance	1.53×10^9	ASTM D 1000
Copper Corrosion	None	ASTM D 66

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC80

Rubber Mastic Tape



Description

KC80 is a self-bonding rubber tape used for electrical insulation up to 2kV and for moisture sealing on all types of telecommunications and solid dielectric power cable. It consists of an ethylene propylene rubber (EPR) backer overlaid with a tacky, temperature stable, electrical grade mastic. The EPR backer's strong "memory" to return to its original shape when stretched during taping provides significant centripetal force that allows the mastic to flow into and fill every crevice and indentation in a cable jacket thereby giving a superior moisture seal in a splice or termination. Both the backer and mastic components of KC80 have excellent electrical characteristics. The tape is suitable for use with conductors rated at 90°C with an emergency overload rating of 130°C. The tape is also resistant to corrosion, chemicals and ultra violet light. Its 1.65mm thickness facilitates rapid protection build-up. Use in conjunction with KC63 premium vinyl electrical tape for optimal performance.

Application

- Primary electrical insulation and moisture sealing in splices and terminations of solid dielectric power cable up to 2kV
- Insulating and moisture sealing of telecommunication cable connections in base stations, antennas and aerial feeders
- Bus bar insulation and corrosion protection
- Cable jacketing
- Other moisture sealing applications

Dimensions

2" x .065" x 10' / 51mm x 1,65mm x 3m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Thickness	1.65mm	ASTM D 4325
Tensile Strength	1.16MPa	ASTM D 4325
Elongation at Break	900%	ASTM D 4325
Fusion	Pass	ASTM D 4388
Adhesion		
to steel	32N/50mm	ASTM D 1000
to PE	28N/50mm	ASTM D 1000
Operating Temperature		
Continuous	90°C	ASTM D 4388
Emergency Overload	130°C	ASTM D 4388
Dielectric Strength	31kV/mm	ASTM D 4325
Dielectric Constant	2.8	ASTM D 4526
Dissipation Factor	1%	ASTM D 4325
Water absorption	0.2%	ASTM D 570
Water Vapor Transmission Rate	0.26g/100in ² 24hr	ASTM D 3833
Copper Corrosion	None(Visual)	ASTM D 69-06
Ozone Resistance	Pass	ASTM D 4388
UV Resistance	Pass	ASTM D 4388
Heat Exposure	Pass at 130°C	ASTM D 4388
Xenon-arc Exposure @ 1000h	Pass	ASTM D 4388

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC86

Waterseal Mastic



Description

KC86 is a self-amalgamating mastic tape used for moisture sealing on all types of telecommunications and solid dielectric power cable splices and connections. It is a tacky, temperature stable mastic with excellent conformability and adhesion to metal and all types of cable insulations and jackets. It is put up on a white release coat separator in roll form without any core. Once applied, KC86 mastic should be overwrapped with a vinyl or rubber tape which will encapsulate it and, through centripetal force, make it flow into every crevice and indentation in a cable jacket thereby giving a superior moisture seal in a splice or around any connection. The tape is also RoHS compliant, resistant to corrosion, chemicals and salt water and has no adverse effect on cable insulations. Its 2.5mm thickness facilitates rapid protection build-up. Use in conjunction with KC63 premium vinyl electrical tape for optimal performance.

Application

- Moisture seal and insulation in power cable through 600 volts

- Moisture seal and insulation of telecommunication cable connections in base stations, antennas and aerial feeders
- Other moisture sealing applications

Dimensions

2.5" x .1" x 23.6" / 63mm x 2,5mm x 0,6m

Consult us for other sizes

Specifications

Property	Value	Test/Method/Reference
Color	Black	
Thickness	2.5mm	ASTM D 4325
Operating Temperature	0°C to 32°C	ASTM D 4388
Temperature Rating	-40°C to 55°C	ASTM D 4388
Volume Resistivity	$1 \times 10^{14} \Omega \cdot \text{cm}$	ASTM D 4325
Water Absorption	$< 0.05\%$	ASTM D 4325
Water Vapor Transmission Rate	0.1g/100in ² /24hr	ASTM D 3633
Ozone Resistance	Pass	ASTM D 4388
UV Resistance	Pass	ASTM D 4388
Heat Resistance	Pass at 130°C	ASTM D 4388

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC90

Silicone Rubber Cold Shrink Tube



Description

KC90 is a cold shrinkable tube made of silicone rubber which has been expanded and put up on a removable core. Once the tube is properly placed over the connector area, the core is pulled out, and the tube shrinks tightly onto the cable jacket providing electrical and mechanical protection as well as a moisture seal of the splice or termination. KC90 can be used on all solid dielectric cable up to 1000 volts as well as wireless coaxial and optical fiber cables. It resists corrosion, chemicals, ultraviolet light and ozone. Although not required, KC90 can be combined with KC80 Rubber Mastic tape to achieve an even better water seal.

Application

- Primary electrical insulation and moisture sealing in splices and terminations of solid dielectric power cable up to 1000 volts
- Insulating and moisture sealing of coaxial and optical fiber telecommunication cable connections
- Use where superior resistance to ultraviolet light and other weathering is desired
- Other moisture sealing and mechanical protection applications

Dimensions

Ø10×140mm

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Hardness Shore A	35 HA	GB/T531.1-2008
Tensile Strength	8.59 MPa	GB/T528-2009
Elongation at Break	610%	GB/T528-2009
Tear Strength	28.2KN/m	GB/T529-2008
Flammability	HB	UL94
Specific Gravity	1.124	GB/T1033-2008
Grade of Waterproofing	IPX5	GB/T1682-1994
Volume Resistivity	≥10 ¹⁴ Ω·m	GB/T335.12-2001
Low Temperature Brittleness	-70 °C No Cracking	GB/T1682-1994
Fungus Resistance	No Growth	GB/T2423.16-2008
Ozone Resistance	No Cracking	ASTM D 518
UV Resistance	No Cracking	ASTM D 154
Temperature Rating	-55 °C to 85°C	
Operating Temperature	-20 °C to 50°C	

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC92

Silicone Rubber Cold Shrink Tube



Description

KC92 is a cold shrinkable tube made of silicone rubber which has been expanded and put up on a removable core. Once the tube is properly placed over the connector area, the core is pulled out, and the tube shrinks tightly onto the cable jacket providing electrical and mechanical protection as well as a moisture seal of the splice or termination. KC92 can be used on all solid dielectric cable up to 1000 volts as well as wireless coaxial and optical fiber cables. It resists corrosion, chemicals, ultraviolet light and ozone. Although not required, KC92 can be combined with KC80 Rubber Mastic tape to achieve an even better water seal.

Application

- Primary electrical insulation and moisture sealing in splices and terminations of solid dielectric power cable up to 1000 volts
- Insulating and moisture sealing of coaxial and optical fiber telecommunication cable connections

- Use where superior resistance to ultraviolet light and other weathering is desired
- Other moisture sealing and mechanical protection applications

Dimensions

Ø35×178mm

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Hardness Shore A	40 HA	ASTM D 2240
Tensile Strength	8.5 MPa	ASTM D 412
Elongation at Break	760%	ASTM D 412
Tear Strength	30KN/m	ASTM D 624 DIE B
Specific Gravity	1.13	ASTM D 792
Permanent set	5.1	100%strain- 22hrs @10
Volume Resistivity	2.54×10^{14} Ohm.cm	ASTM D 257
Dielectrical strength (original)	20.5 KV/mm	ASTM D 419 @1.75
Dielectrical strength (158hrs in H2O @90°C)	19.8KV/mm	ASTM D 419 @1.75
Dielectrical constant	2.75	ASTM D 150
Dielectrical constant (158hrs in H2O @90°C)	2.86	ASTM D 150

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC96

EPDM Cold Shrink Tube



Description

KC96 is a cold shrinkable tube made of EPDM rubber which has been expanded and put up on a removable core. Once the tube is properly placed over the connector area, the core is pulled out, and the tube shrinks tightly onto the cable jacket providing electrical and mechanical protection as well as a moisture seal of the splice or termination. KC96 can be used on all solid dielectric cable up to 1000 volts as well as wireless coaxial and optical fiber cables. It resists corrosion, chemicals and ozone. Overwrap with either KC 73 silicone rubber tape or KC 63 vinyl electrical tape, if the splice or termination will be subjected to elevated concentrations of ultra violet light. Although not required, KC96 can be combined with KC80 Rubber Mastic tape to achieve an even better water seal.

Application

- Primary electrical insulation and moisture sealing in splices and terminations of solid dielectric power cable up to 1000 volts
- Insulating and moisture sealing of coaxial and optical fiber telecommunication cable connections
- Use where superior abrasion and puncture resistance is desired
- Other moisture sealing and mechanical protection applications

Dimensions

Ø10×240mm

Consult us for other sizes

Specifications

Property	Value	TestMethod/Reference
Hardness Shore A	35 HA	GB/T531.1-2008
Tensile Strength	13.3 MPa	GB/T526-2009
Elongation at Break	600%	GB/T526-2009
Tear Strength	35.4KN/m	GB/T529-2008
Flammability	HB	UL94
Specific Gravity	1.128	GB/T1033-2008
Grade of Waterproofing	IPX6	GB/T1982-1994
Low Temperature Brittleness	-70 ℃ No Cracking	GB/T1982-1994
Fungus Resistance	No Growth	GB/T2423.16-2008
Ozone Resistance	No Cracking	ASTM D 518
UV Resistance	No Cracking	ASTM D 154
Temperature Rating	-55 ℃ to 85℃	
Operating Temperature	-20 ℃ to 50℃	

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC63

All Weather Vinyl Electrical Insulation Tape



Description

KC63 is a premium grade pressure sensitive vinyl electrical tape for use as primary insulation of low voltage splices and other jacketing applications where superior performance is desired. It is a true all weather tape that can be applied easily in both cold and hot temperatures. KC63 is both flame retardant and lead free. The tape is also resistant to abrasion, corrosion, chemicals and ultra violet light. KC63 fully meets the requirements of ASTM D 1000, UL 510 and CSA 22.2.

Application

- Primary insulation in low voltage splices
- Jacketing of medium and high voltage splices
- Jacketing of indoor terminations
- Low temperature applications
- Jacketing and moisture sealing of telecommunications cable connections
- Wrapping of automotive wire harnesses
- Other OEM applications

Dimensions

3/4" x .007" x 66' / 19mm x 0,18mm x 20m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Thickness	0.18mm	ASTM D 1000
Tensile Strength	57.2N/19mm	ASTM D 1000
Elongation	272%	ASTM D 1000
Adhesion		
to Steel	5.3N/19mm	ASTM D 1000
to Backing	1.5N/19mm	ASTM D 1000
Flammability	Pass	UL510
Temperature Rating		
Maximum	105°C	UL510
Minimum	-18°C	UL510
Dielectric Strength	83.2kV/mm	ASTM D 4325
Dielectric Constant	4.41	ASTM D 4325
Insulation Resistance	5.26x10 ¹²	ASTM D 1000

*Data in table represent average of test results and are not to be used for specification purposes.
*The product user should make their own tests to determine the product's suitability for their intended use.

KC62

General Purpose Vinyl Electrical Insulation Tape



Description

KC62 is an economy grade pressure sensitive vinyl electrical tape for use as primary insulation of low voltage splices and in other general electrical and mechanical applications. KC62 is both flame retardant and lead free. The tape is also resistant to abrasion, corrosion, chemicals and ultra violet light. KC62 fully meets the requirements ASTM D 1000 and UL510.

Application

- Primary insulation in low voltage splices
- Jacketing of medium and high voltage splices
- Jacketing of indoor terminations
- Jacketing and moisture sealing of telecommunications cable connections
- Wrapping of automotive wire harnesses
- Other OEM and mechanical applications

Dimensions

3/4" x .007" x 66' / 19mm x 0,18mm x 20m

Consult us for other sizes

Specifications

Property	Value	Test Method/Reference
Thickness	0.18mm	ASTM D 1000
Tensile Strength	56.2N/19mm	ASTM D 1000
Elongation	222%	ASTM D 1000
Adhesion		
to Steel	4.7N/19mm	ASTM D 1000
to Backing	5.2N/19mm	ASTM D 1000
Flammability	Pass	UL510
Temperature Rating		
Maximum	80°C	UL510
Minimum	0°C	UL510
Dielectric Strength	49kV/mm	ASTM D 4325
Dielectric Constant	4.35	ASTM D 4325
Insulation Resistance	2.56x10 ¹¹	ASTM D 1000

*Data in table represent average of test results and are not to be used for specification purposes.
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Electrical Insulation Products

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