



WIRE ARMOUR

Specifications

An 8.5 mil (0.21mm) all weather, heavy-duty professional grade, pressure sensitive vinyl tape that provides a thicker layer for added mechanical and electrical protection. Cold and weather resistant and flame retardant. Premium 46-88 can be used as primary insulation for splices up to 600 volts. Excellent protective jacket over all types of splices. Excellent cold weather performance.



Technical Characteristics

| Property | Value | Unit | Test Method |
|-------------------------------|-------------------|---------|------------------|
| Color | Black | --- | --- |
| Thickness | 0.0085 | inch | ASTM D 1000 |
| | 0.21 | mm | ASTM D 1000 |
| Tensile Strength | 20 | lb./in. | ASTM D 1000 |
| | 35 | N/cm | ASTM D 1000 |
| Elongation | 300 | % | ASTM D 1000 |
| Adhesion to Steel | 20 | oz./in. | ASTM D 1000 |
| | 2.2 | N/cm | ASTM D 1000 |
| Adhesion to Backing | 20 | oz./in. | ASTM D 1000 |
| | 2.2 | N/cm | ASTM D 1000 |
| Adhesion to Backing @ -7°C | 50 | oz./in. | ASTM D 1000 |
| | 5.5 | N/cm | ASTM D 1000 |
| Unwind @ 7°C | 50 | oz./in. | ASTM D 1000 |
| | 5.5 | N/cm | ASTM D 1000 |
| Flammability | 4 Max. | second | ASTM D 1000 |
| Flagging | 0.12 max. | inch | ASTM D 1000 |
| | 3 max. | mm | ASTM D 1000 |
| Temperature Rating: Maximum | 176/80 | °F / °C | UL 510 |
| | 221/105 | °F / °C | CSA 22.2 no. 197 |
| Temperature Rating: Minimum | 14/-10 | °F / °C | UL 510 |
| | 0/-18 | °F / °C | CSA 22.2 no. 197 |
| Dielectric Strength: Standard | 10,000 | V | ASTM D 1000 |
| Dielectric Strength: Wet | 9,000 | V | ASTM D 1000 |
| Dielectric Constant | 3.2 | --- | ASTM D 150 |
| Power Factor | 0.01 | --- | ASTM D 150 |
| Insulation Resistance | 1x10 ⁶ | MΩ | ASTM D 1000 |

Features:

- 8.5 mil thickness
- Cold and weather resistant
- High dielectric strength
- Highly elastic
- Flame retardant
- Highly resistant to sun, water, oil, acids, alkalis and corrosive chemicals
- Lead free
- Meets:
 - ASTM D 3005, Type I
 - HH-1595C / A-A-55809A
 - EN 60454-3-1, Type 11
 - UL 510
 - CSA C 22.2 No. 197

Recommended Uses:

Used for general splicing purposes. Can be used as primary insulation for splices up to 600 volts. Provides a protective outer jacket over splices for all low temperature applications.

Standard Sizes:

0.75 in. x 66 ft. (19mm x 20m)
 1.5 in. x 66 ft (38mm x 20m)
 1.5 in. x 108 ft. (38mm x 33m)
 2 in. x 66 ft. (51mm x 20m)

Information provided is for reference only. Data in table represents average test results and are not to be used for specification purposes. The product user should make their own tests to determine the products suitability for the intended use.



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