WIRE ARMOUR

Specifications

A 7 mil (0.18mm) all weather, contractor grade, pressure sensitive vinyl tape for all kinds of mechanical and electrical applications. Cold and weather resistant and flame retardant. 46-PRO can be used as primary insulation for splices up to 600 volts. Use as protective outer jacket over splices and for all low temperature applications.

Technical Characteristics

Property	Value	Unit	Test Method
Color	Black	---	---
Thickness	0.007	inch	ASTM D 1000
	0.18	mm	ASTM D 1000
Tensile Strength	20	lb./in.	ASTM D 1000
	35	N/cm	ASTM D 1000
Elongation	220	%	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
Flammability	4 Max.	second	ASTM D 1000
Flagging	0.10 max.	inch	ASTM D 1000
	2.5 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
	14/-10	°F / °C	CSA 22.2 no. 197
Dielectric Strength: Standard	8,500	V	ASTM D 1000
Dielectric Strength: Wet	6,300	V	ASTM D 1000
Dielectric Constant	3.2	---	ASTM D 150
Power Factor	0.07	---	ASTM D 150
Insulation Resistance	1×10^6	MΩ	ASTM D 1000

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.

Features:

- 7 mil thickness
- 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 1000
  - 2000/53/EC and RoHS 2011/65/EU
  - 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 and provides a protective outer jacket for splices at higher voltages. Can be used for wrapping wire harnesses and insulating degaussing coils.

Standard Sizes:

0.75 in. x 66 ft. (19mm x 20m)

UL LISTED E499203   **CSA 272208**

IDEAL INDUSTRIES, INC.