

## 3M 8427-12 Cold Shrink Connector Insulators

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

**Material Notes:**

3M™ Cold Shrink Connector Insulators are open-ended, tubular, rubber sleeves which are factory expanded and assembled onto a removable core. The core is removed after the tube has been positioned for installation over an inline connection, terminal lug, etc, allowing the tube to shrink and form a water-resistant seal. The insulating tube is made of EPDM rubber which contains no chlorides or sulfur. Six diameter sizes will cover a range of cable up to 1000 volts for copper and aluminum conductors from 10 AWG through 1000 kcmil. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-8427-12-Cold-Shrink-Connector-Insulators.php](http://www.lookpolymers.com/polymer_3M-8427-12-Cold-Shrink-Connector-Insulators.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	9.65 MPa	1400 psi	ASTM D412-75
Elongation at Break	750 %	750 %	ASTM D412-75
300% Modulus	0.00331 GPa	0.480 ksi	ASTM D412-75
Tear Strength	26.3 kN/m	150 pli	Die C; ASTM D624C-73

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.1 kV/mm	282 kV/in	7 days @ 90°C in water; ASTM D149-75
	14.4 kV/mm @Thickness 1.78 mm	365 kV/in @Thickness 0.0700 in	Original; ASTM D149-75

Processing Properties	Metric	English	Comments
Moisture Content	1.8 %	1.8 %	7 days @ 90°C in water

Descriptive Properties	Value	Comments
Appearance	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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