

3M 8454 Cable Accessory Sealing Kits

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

Material Notes:

3M Cable Accessory Sealing Kits provide a reliable means of sealing the jacket end of power cables where elbows or other cable accessories are installed. The seal is accomplished with use of tubular rubber sleeve and rubber base mastic sealing strips. The mastic strips seal around cable neutral wires or other ground attachment leads. The rubber sleeve is factory expanded and assembled onto a removable core. As supplied in this pre-stretch conditions the tube is ready for field installation. With mastic in place, the expanded tube is positioned over the cable jacket end and the inner supporting core is removed. Removing the core allows the sealing tube to shrink and form a water-resistant seal. The sealing tube is made of EPDM rubber that contains no chlorides or sulfur. Both the sealing tube and mastic are compatible with commonly used power cable jacket and semi-conductive materials. To extend the useful life of this product in applications which are continuously exposed to high levels of ultra-violet radiation, overwrap with Scotch Super 33+ Vinyl Tape or Scotch 70 Silicone Tape. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-8454-Cable-Accessory-Sealing-Kits.php

Physical Properties	Metric	English	Comments
Water Absorption	0.15 %	0.15 %	ASTM D570
Moisture Absorption	1.80 %	1.80 %	7 days at 90°C in water

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 D624-73
Peel Strength	>= 2.10 kN/m	>= 12.0 pli	Adhesion to Copper, Mastic; ASTM D1000
	>= 2.10 kN/m	>= 12.0 pli	Adhesion to PVC, Mastic; ASTM D1000
	>= 2.10 kN/m	>= 12.0 pli	Adhesion to Polyethylene, Mastic; ASTM D1000
	>= 2.10 kN/m	>= 12.0 pli	Adhesion to EPR, Mastic; ASTM D1000

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

Electrical Properties	Metric	English	Original: ASTM D149-75 Comments
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@ Thickness 1.78 mm

@ Thickness 0.0700 in

Descriptive Properties	Value	Comments
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Appearance

Black

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