

3M QI-18/57-325 Cold Shrink Quick Insulator

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

Material Notes:

3M™ Cold Shrink Quick Insulator QI Series are open-ended tubular rubber sleeves with sealing mastic on each end that are factory expanded and assembled onto a removable core. The core is removed by pulling from one end after the QI insulator has been positioned over an inline connector, allowing the ends of the tube to shrink and form a water-resistant seal. Sizing of the core and tube, along with the sealing mastic on each end, provides a broader application range without degrading the seal and insulating characteristics of the EPDM rubber tube. Three diameter sizes will cover a range of 1000 volt or less cable from 8 AWG through 1250 kcmil, copper and aluminum conductors with crimped connectors. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-QI-1857-325-Cold-Shrink-Quick-Insulator.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 | 25.8 kN/m | 147 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 | 365 kV/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 | |

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