

**QAT**

**ANTI-TRACKING INSULATION TUBING , UP TO 36kV**  
**HALOGEN FREE, MEDIUM WALL**  
**SHRINK RATIO 2.5:1**

#### Features/Applications

Made from specially formulated radiation cross-linked polyolefin compounds. The high creep resistance and anti-tracking properties of the products provide insulation protection for cable terminals, load break switches, power circuit breakers, etc.

- Operating temperature: -55°C to +105°C
- Minimum shrink temperature: 110°C
- Full recovery temperature: 110°C
- RoHS Compliant
- Halogen free
- Tracking resistant



#### Technical Data

| Property                                          | Test Method | Typical Data            |
|---------------------------------------------------|-------------|-------------------------|
| Tensile Strength                                  | ASTM D 2671 | 11 MPa                  |
| Elongation at Break                               | ASTM D 2671 | ≥ 400%                  |
| Longitudinal Shrinkage                            | ASTM D 2671 | 0 to -10%               |
| Tensile Strength After Aging (120°C, 168 hrs.)    | ASTM D 2671 | ≥ 10MPa                 |
| Elongation at Break After Aging (120°C, 168 hrs.) | ASTM D 2671 | ≥ 350%                  |
| Dielectric Strength                               | IEC 243     | ≥ 15kV/mm               |
| Tracking Resistance                               | ASTM D 2303 | 3.75kV, 1hr., Pass      |
| Dielectric Constant                               | IEC 250     | 3.0 (max.)              |
| Volume Resistance                                 | ASTM D 2303 | ≥ 10 <sup>13</sup> Ω.cm |
| Flammability (Oxygen Index)                       | IEC 93      | ≥ 25                    |
| Copper Corrosion (120°C, 168 hrs.)                | ASTM D 2671 | No corrosion            |
| Cold Bend (-40°C, 4 hrs.)                         | ASTM D 2671 | No cracking             |

#### Product Dimensions

| Size<br>(mm)             | As Supplied (mm)          | After Recovered (mm)      |                         | Tubing<br>Shape | Standard<br>Spool<br>*(SS)<br>(Meter) |
|--------------------------|---------------------------|---------------------------|-------------------------|-----------------|---------------------------------------|
|                          | Inside Diameter<br>(min.) | Inside Diameter<br>(max.) | Wall Thickness<br>(min) |                 |                                       |
| Continuous Length Tubing |                           |                           |                         |                 |                                       |
| 19/6                     | 19                        | 6                         | 2.5                     | Flat            | 15                                    |
| 30/10                    | 30                        | 10                        | 2.8                     | Flat            | 15                                    |
| 35/12                    | 35                        | 12                        | 2.8                     | Flat            | 15                                    |
| 40/16                    | 40                        | 16                        | 2.9                     | Flat            | 15                                    |
| 45/18                    | 45                        | 18                        | 3.0                     | Flat            | 15                                    |
| 54/24                    | 54                        | 24                        | 3.0                     | Flat            | 15                                    |
| 60/29                    | 60                        | 29                        | 3.0                     | Flat            | 15                                    |
| 76/38                    | 76                        | 38                        | 3.0                     | Flat            | 15                                    |
| 100/49                   | 100                       | 49                        | 3.0                     | Flat            | 15                                    |
| Cut Length Tubing        |                           |                           |                         |                 | Standard<br>Length<br>(Inch)          |
| 35/10                    | 35                        | 10                        | 3.0                     | Round           | 48                                    |
| 40/12                    | 40                        | 12                        | 3.0                     | Round           | 48                                    |
| 49/16                    | 49                        | 16                        | 3.0                     | Round           | 48                                    |
| 55/18                    | 55                        | 18                        | 3.0                     | Round           | 48                                    |
| 65/21                    | 65                        | 21                        | 3.3                     | Round           | 48                                    |
| 75/25                    | 75                        | 25                        | 3.5                     | Round           | 48                                    |
| 85/29                    | 85                        | 29                        | 3.5                     | Round           | 48                                    |
| 100/38                   | 100                       | 38                        | 4.0                     | Round           | 48                                    |
| 130/50                   | 130                       | 50                        | 4.0                     | Round           | 48                                    |

#### Notes:

- \* See Part Number Guide for standard packaging codes.
- Special sizes, packaging, colors and cut pieces are available upon request.