

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 ¹³ 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 (mm)	As Supplied (mm)		After Recovered (mm)		Tubing Shape	Standard Spool *(SS) (Meter)
	Inside Diameter (min.)	Outside Diameter (max.)	Inside Diameter (max.)	Wall Thickness (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 Length (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.