

Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 10 MPa
Ultimate Elongation	ASTM D 2671	Minimum 200%
Tensile Strength after Aging	ASTM D 2671	Minimum 10 MPa (150°C, 168 hrs)
Ultimate Elongation after Aging	ASTM D 2671	Minimum 100% (150°C, 168 hrs)
Heat Shock (200°C, 30 min)	ASTM D 2671	No cracking or dripping
Density	ASTM D 792	1.2 – 1.3 g/cm ³
Dielectric Strength	IEC 60243	Minimum 10 kV/mm (2.5 mm)
Volume Resistivity	ASTM D 2671	Minimum 10 ¹² Ω·cm
Low Temperature Flexibility	ASTM D 2671 Proc.C	No cracking at -40°C (4 hrs)
Permittivity	ASTM D 150	Nominal 3
Tracking Resistance	ASTM D 2303	No tracking

Dimensions

Continues length tubing - NAT

Size (mm)	Supplied (mm)			Standard Length (m)	Size (mm)	Recovered (mm)			Standard Length (m)
	D*(Min.)	d* (Max.)	W (Min.)			D*(Min.)	d* (Max.)	W(Min.)	
19/6	19	6	2.5	30m/spool or 0.5-1.5m	65/21	65	21	3.3	30m/spool or 0.5-1.5m
30/10	30	10	2.9	30m/spool or 0.5-1.5m	75/25	75	25	3.5	30m/spool or 0.5-1.5m
38/12	38	12	2.9	30m/spool or 0.5-1.5m	85/29	85	29	3.5	30m/spool or 0.5-1.5m
40/16	40	16	2.9	30m/spool or 0.5-1.5m	100/40	100	40	4.0	0.5-1.5m
49/16	49	16	2.9	30m/spool or 0.5-1.5m	130/50	130	50	4.0	1.0-1.5m
55/18	55	18	2.9	30m/spool or 0.5-1.5m					

Cut length tubing - NATA

30/10	30	10	2.9	1.0-1.5	65/21	65	21	3.3	1.0-1.5
40/12	40	12	2.9	1.0-1.5	75/25	75	25	3.5	1.0-1.5
43/14	43	14	2.9	1.0-1.5	85/29	85	29	3.5	1.0-1.5
49/16	49	16	2.9	1.0-1.5	100/40	100	40	4.0	1.0-1.5
55/18	55	18	2.9	1.0-1.5	130/50	130	50	4.0	1.0-1.5

D* = Inner diameter as supplied
 d* = Inner diameter after fully recovered
 w* = Outer Layer Wall thickness after fully recovered

