

Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 350%
Tensile Strength after Aging (150°C, 168 hrs)	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation after Aging (150°C, 168 hrs)	ASTM D 2671	Minimum 300%
Density	ASTM D 792	1.0 – 1.1 g/cm ³
Dielectric Strength	ASTM D 60243	Minimum 12 kV/mm (2 mm thick)
Volume Resistivity	ASTM D 2671	Minimum 10 ¹² Ω·cm
Low Temperature Flexibility (-40°C, 4 hrs)	ASTM D 2671	No cracking of outer jacket
Hot Melt Adhesive Softening Point	ASTM E28	85 ± 5°C
Peel Strength (PE)	ASTM D 2671	Minimum 4 N/cm
Water Absorption	ISO 62	Maximum 0.2%

Dimensions

NRA3 Heavy wall tubing with hot melting adhesive

Size (mm)	Supplied (mm)	Recovered(mm)			Standard length (m)	Size (mm)	Supplied (mm)	Recovered(mm)			Standard length (m)
		D*(Min.)	d*(Max.)	w*(Min.)				D*(Min.)	d*(Max.)	w*(Min.)	
9/3	9	2	2.0	1.0-1.5	105/25	105	25	4.5	1.0-1.5		
15/4	15	4	2.4	1.0-1.5	115/34	115	34	4.2	1.0-1.5		
22/6	22	6	2.7	1.0-1.5	130/36	130	36	4.2	1.0-1.5		
33/8	33	8	3.2	1.0-1.5	180/50	180	50	4.2	1.0-1.5		
45/12	45	12	4.0	1.0-1.5	200/60	200	60	4.2	1.0-1.5		
55/16	55	16	4.0	1.0-1.5	235/65	235	65	4.4	1.0-1.5		
65/19	65	19	4.0	1.0-1.5	265/75	265	75	4.8	1.0-1.5		
75/22	75	22	4.0	1.0-1.5	300/85	300	85	4.8	1.0-1.2		
85/25	85	25	4.2	1.0-1.5	350/100	350	100	4.8	1.0-1.2		
95/29	95	29	4.2	1.0-1.5	385/110	385	110	4.8	1.0-1.2		

NR3 Heavy wall tubing without hot melting adhesive

Size (mm)	Supplied (mm)	Recovered(mm)			Standard length (m)	Size (mm)	Supplied (mm)	Recovered(mm)			Standard length (m)
		D*(Min.)	d*(Max.)	w*(Min.)				D*(Min.)	d*(Max.)	w*(Min.)	
9/3	9	3	2.0	1.0-1.5	95/29	95	25	4.5	1.0-1.5		
15/4	15	4	2.4	1.0-1.5	115/34	115	34	4.2	1.0-1.5		
22/6	22	6	2.7	1.0-1.5	130/36	130	36	4.2	1.0-1.5		
33/8	33	8	3.2	1.0-1.5	180/50	180	50	4.2	1.0-1.5		
45/12	45	12	4.0	1.0-1.5	200/60	200	60	4.2	1.0-1.5		
55/16	55	16	4.0	1.0-1.5	235/65	235	65	4.4	1.0-1.5		
65/19	65	19	4.0	1.0-1.5	265/75	265	75	4.8	1.0-1.5		
75/22	75	22	4.0	1.0-1.5	300/85	300	85	4.8	1.0-1.2		
85/25	85	25	4.2	1.0-1.5							

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

