



HRA2/HR2 Medium Wall Tubing

Medium wall tubing with/without hot melt adhesive coating

■ Shelf life & storage:

Heat Shrink Product provided by Hongshang has a over 5 year's shelf life from date of manufacture when stored in a humidity controlled environment (−10℃ to 40℃ and <75% relative humidity).

■ Ordering information:

Standard colors:
Black.

■ Features:

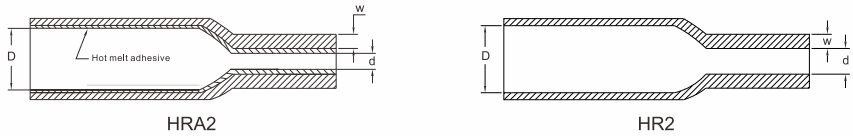
Dual wall, hot melt adhesive inner lined(HRA2)	Supply in cut piece with max. 1.5m in length
UV resistant	Flammable
Semi-rigid	Shrink ratio 3:1
Min. full recovery temp.:120℃	



■ Typical technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	12MPa min.
Ultimate elongation	ASTM D 2671	350% min.
Tensile strength after Aging at 150℃ for 168hrs	ASTM D 2671	12MPa min.
Ultimate elongation after Aging at 150℃ for 168hrs	ASTM D 2671	300% min.
Density	ASTM D 792	1.0~1.1g/cm ³
Dielectric strength	ASTM D 60243	12kV/mm(2mm) min.
Volume resistivity	ASTM D 2671	10 ¹² Ω .cm min.
Low temperature flexibility -40℃/4hrs	ASTM D 2671	No cracking of outer jacket
Properties of hot melt adhesive		
Softening point	ASTM E28	85+/-5℃
Peel strength(PE)	ASTM D 2671	4N/cm min.
Water absorption	ISO 62	0.2% max.

■ Dimensions:



HRA2 Medium wall tubing with hot melting adhesive									
Size (mm)	Assupplied (mm)	After recovered (mm)		Standard length (m)	Size (mm)	Assupplied (mm)	After recovered (mm)		Standard length (m)
	D*(Min.)	d*(Max.)	w*(Min.)			D*(Min.)	d*(Max.)	w*(Min.)	
8/2	8	2	1.8	1.0-1.5	95/25	95	25	3.6	1.0-1.5
12/3	12	3	1.8	1.0-1.5	115/34	115	34	3.5	1.0-1.5
16/5	16	5	2.1	1.0-1.5	140/42	140	42	3.3	1.0-1.5
22/6	22	6	2.4	1.0-1.5	160/50	160	50	3.3	1.0-1.5
28/6	28	6	2.7	1.0-1.5	180/58	180	58	3.3	1.0-1.5
33/8	33	8	2.6	1.0-1.5	235/65	235	65	3.7	1.0-1.5
40/12	40	12	2.6	1.0-1.5	300/75	300	75	3.8	1.0- 1.2
55/16	55	16	2.7	1.0-1.5	350/100	350	100	4.3	1.0-1.2
65/19	65	19	2.9	1.0-1.5	410/150	410	150	4.3	1.0-1.2
75/22	75	22	3.0	1.0-1.5					

HR2 Medium wall tubing without hot melting adhesive									
Size (mm)	As supplied (mm)	After recovered (mm)		Standard length	Size (mm)	Assupplied (mm)	After recovered (mm)		Standard length
	D*(Min.)	d*(Max.)	w*(Min.)			D*(Min.)	d*(Max.)	w*(Min.)	
12/3	12	3	1.8	30m/spool or 1.0-1.5m	95/25	95	25	3.6	15m/spool or 1.0-1.5m
16/5	16	5	2.1	30m/spool or 1.0-1.5m	115/34	115	34	3.5	15m/spool or 1.0-1.5m
22/6	22	6	2.4	30m/spool or 1.0-1.5m	140/42	140	42	3.3	1.0-1.5m
28/6	28	6	2.7	30m/spool or 1.0-1.5m	160/50	160	50	3.3	1.0-1.5m
33/8	33	8	2.6	30m/spool or 1.0-1.5m	180/58	180	58	3.3	1.0-1.5m
40/12	40	12	2.6	30m/spool or 1.0-1.5m	235/65	235	65	3.7	1.0-1.5m
55/16	55	16	2.7	30m/spool or 1.0-1.5m	300/75	300	75	3.8	1.0-1.2m
65/19	65	19	2.9	30m/spool or 1.0-1.5m	350/100	350	100	4.3	1.0-1.2m
75/22	75	22	3.0	30m/spool or 1.0-1.5m	450/150	450	150	4.3	1.0-1.2m

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

HRA2/HR2
Medium Wall Tubing

HRTM
Medium Wall Tubing

HRA3/HR3
Heavy Wall Tubing

HRTH
Heavy Wall Tubing

HRA-6X
Heavy Wall Tubing

HRS
Medium Wall Tubing

HAT/HATA
Anti-tracking Tubing

HSCT
Semi-conductive Tubing

HSC-100
Stress Control Tubing

HSC-360
Stress Control Tubing

HDWT
Twin Layer Tubing

HTRT
Triple Layer Tubing

HGT
High Insulation Tubing

HEGT
High Insulation Tubing

HOT
Oil Resistant Tubing

HBTM/HBTH
Busbar Insulation Tubing

Mastic tape
Tape 55/
Tape 65/Tape 75

HLB
Low Voltage Breakout

HSEC
Insulating End Cap

HCFT
Cable Feed Thoughs

HCB
Conductive Breakout

HAS/HMB/HMR
Anti-tracking Rain Shed/Breakout/Boot