

HDR-25 Diesel Resistant Heat Shrink Tubing



Features

- Cross-linked polyolefin elastomer
- Flexible, flame retardant
- Excellent resistance to diesel, lubricating oil and hydraulic oil property
- Operating temperature: -55°C—120°C
- Shrink temperature: 150°C
- RoHS, REACH compliant

Standards

- SAE AS23053/16

Reference	As supplied (mm)	After recovered (mm)	Wall Thickness	As supplied (g/m)
HDR-25	ID min.	ID max.		WW max.
1.6/0.85	1.6	0.85	0.40±0.08	3.1
2.4/1.2	2.4	1.2	0.51 ±0.08	5.9
3.2/1.6	3.2	1.6	0.76±0.15	9.6
4.8/2.4	4.8	2.4	0.84±0.15	14.7
6.4/3.2	6.4	3.2	0.89±0.15	19.3
9.5/4.8	9.5	4.8	1.02±0.20	31.5
12.7/6.4	12.7	6.4	1.22±0.20	42.5
15.9/7.9	15.9	7.9	1.32±0.28	57.5
19.1/9.5	19.1	9.5	1.45±0.28	80.1
22.2/11.1	22.2	11.1	1.55±0.28	98.5
25.4/12.7	25.4	12.7	1.78±0.28	120.0
31.8/15.9	31.8	15.9	2.20±0.41	172.5
38.1/19.1	38.1	19.1	2.41 ±0.41	243.0
50.8/25.4	50.8	25.4	2.79±0.41	342.0
Thin wall				
1.6/0.85	1.6	0.85	0.40±0.08	3.1
2.4/1.2	2.4	1.2	0.51 ±0.08	5.9
3.2/1.6	3.2	1.6	0.51 ±0.08	7.0
4.8/2.4	4.8	2.4	0.51 ±0.08	9.6
6.4/3.2	6.4	3.2	0.64±0.08	15.6
9.5/4.8	9.5	4.8	0.64±0.08	22.2
12.7/6.4	12.7	6.4	0.64±0.08	27.0
15.9/7.9	15.9	7.9	0.76±0.15	37.6
19.1/9.5	19.1	9.5	0.76±0.15	47.2
22.2/11.1	22.2	11.1	0.89±0.15	60.2
25.4/12.7	25.4	12.7	0.89±0.15	67.6
31.8/15.9	31.8	15.9	1.02±0.20	90.4
38.1/19.1	38.1	19.1	1.02±0.20	115.4
50.8/25.4	50.8	25.4	1.14±0.20	157.9

Typical application

Suitable for military applications requiring heat resistance and oil resistance environments. Used as a jacketing material for protecting high performance wiring harness in demanding environments within automotive, aviation and military industries .

Ordering

- Standard color: black
- Standard package on roll

Please specify colour, specification, quantity, packing requirements and acceptance requirements.

Cross Reference

- Raychem/Tyco DR25

ID=Internal Diameter
WT=Wall Thickness
WW =Wire weight

(GJB7274-2011) Technical Data

	Property	Test Method GJB 7274-2011) / GJB 7270-2011)	Value
Physical	Density		s 1.50g/cm ³
	Longitudinal change		-1096-10%
	Restricted shrinkage	2000C/30min	No cracking
	Water absorption	230C/24hrs	S2.0%
	Tensile strength	500mm/min	211.7MPa
	Breakdown elongation	500mm/min	2250%
	Heat shock	2000C/4hrs	No cracking, no flow or dripping
Aging (150°C/168hrs)	Tensile strength	500mm/min	210.4MPa
	Breakdown elongation	500mm/min	2200%
Chemical	Dielectric strength		211.9kV/mm
	Withstand voltage	Imin.AC2500V	No breakdown
	Volume resistivity		21.0x10 ⁹ Q.cm
Fluids resistance (23°C/24hrs)	Tensile strength	500mm/min	210.4MPa
	Breakdown elongation	500mm/min	2200%
	Dielectric strength		27.9kV/mm
Electrical	Flammability		Self-extinguish not more than 60s
	Copper corrosion	135016hrs	No dent and black
Environmental adaptability	Low temperature flexibility	-550C/4hrs	No cracking
	High low temperature shock	120°C , -55°C	Tensile strength210.4MPa ; Breakdown elongation2200%

