SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO.,LTD.

RSFR WOER Tube



A comprehensive line of heat shrinkable sleeves, labels, tie-on cable markers to meet a broad range of needs including UL, CSA and Mil-Spec requirements, for a variety of Applications. WOER's identification sleeves are Heat shrinkable marking sleeves for wire and cable identification. Made from permanent, flame retarded, radiation crosslinked heat shrinkable polyolefin. This identification sleeves are permanent immediately after printing and remain legible even when exposed to abrasion, aggressive cleaning solvents.

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RSFR

Heat Shrinkable Identification Sleeves

Description: RSFR marker sleeve is a flattened, heat-shrinkable tubing intended for wire and cable harness identification. It can also be used for applications where limited fire hazard characteristics are necessary. When RSFR is printed with Woer recommended printers and ink ribbons, the marks remain legible, durable, even when exposed to abrasion, aggressive cleaning solvents, and industrial fluids.

Standard: SAE-AS 81531, MIL-STD-202F/Method 215J, UL224, RoHS

Features

Material	The sleeving shall be fabricated from irradiated, thermally stabilized and flame retarded modified polyolefin compound containing no halogens or cadmium in the formulation.		
Application range	commercial ,Industrial environment		
Operating temperature range	-55~+125°C		
Minimum recovery temperature	+125°C		
Maximum storage temperature	+50°C		
Shrink ratio	2:1, 3:1		
Color	White, Yellow, other color is available if ordered		
Printing mode	Single sided printing and Double sided printing formats available		
Supplied mode	Either Continuous type or Ladder format type is available		
Recommended Printers	Thermal transfer printer		
Recommended Ribbons	N85 resin ribbon, Black, 100mm(width)*300m(length)		

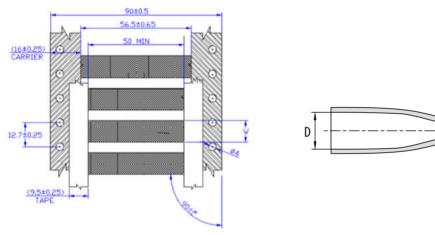
RSFR

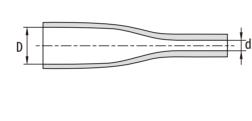
WOER Tube

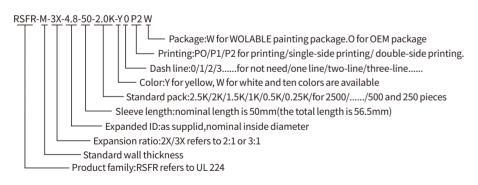
Physic performance

Property	Unit	Testing Requirement	WOER Results
Tensile strength	MPa	10.3	14.3
Ultimate elongation	%	200	330
Low temperature flexibility 4 hours at -55±1°C	-	No cracking	Pass(no cracking)
Dielectric strength	kV/mm	19.7	20
Volume Resistivity	Ω • cm	1014	2.0×10 ¹⁴
Corrosive effect	-	No corrosive	pass
Heat aging	-	168 hours at 158±2℃	Pass(no cracking, print is legible)
Print performance	Rubs	SAE-AS 81531	Pass(legible after 100 rubs)
1 mic performance	Strokes	MIL-STD-202F	Pass(legible after 100 Strokes)

Part Numbering System







Color code	BL	Br	R	Or	Υ	G	Blu	V	Gr	W
Color	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White

Note: Yellow and white are standard, other color is available if ordered.

Dimensions

Shrink ratio-2X

	As Sup	plied (mm)	After Recovery(mm)		
Part Number	ID (D)	Flatten Width (W)	Double Wall Thickness	ID (d)	Single Wall Thickness
RSFR-M-2X-2.4-	2.79±0.20	5.0±0.3	0.48±0.10	≤1.18	0.49±0.06
RSFR-M-2X-3.2-	3.64±0.23	6.3±0.4	0.48±0.10	≤1.59	0.51±0.06
RSFR-M-2X-4.8-	5.26±0.25	8.9±0.4	0.49±0.10	≤2.36	0.54±0.06
RSFR-M-2X-6.4-	6.92±0.28	11.5±0.4	0.50±0.10	≤3.18	0.56±0.06
RSFR-M-2X-9.5-	10.2±0.32	16.7±0.5	0.51±0.11	≤4.75	0.59±0.06
RSFR-M-2X-12.7-	13.5±0.36	21.8±0.6	0.52±0.11	≤6.35	0.60 ± 0.07
RSFR-M-2X-19.0-	20.1±0.40	32.2±0.6	0.53±0.11	≤9.53	0.62±0.07
RSFR-M-2X-25.0-	26.7±0.45	42.5±0.7	0.55±0.12	≤12.70	0.63±0.07
RSFR-M-2X-38.0-	39.8±0.51	63.2±0.8	0.57±0.12	≤19.10	0.64±0.07
RSFR-M-2X-51.0-	53.0±0.56	83.9±0.9	0.58±0.13	≤25.40	0.64±0.08

Shrink ratio-3X

	As Supp	lied (mm)	After Recovery(mm)		
Part Number	ID (D)	Flatten Width (W)	Double Wall Thickness	ID (d)	Single Wall Thickness
RSFR-M-3X-2.4-	2.79±0.20	5.0±0.3	0.47±0.10	≤0.79	0.57±0.06
RSFR-M-3X-3.2-	3.64±0.23	6.3±0.4	0.48±0.10	≤1.06	0.61 ± 0.06
RSFR-M-3X-4.8-	5.26±0.25	8.9±0.4	0.49±0.10	≤1.59	0.67 ± 0.06
RSFR-M-3X-6.4-	6.92±0.28	11.5±0.4	0.50±0.10	≤2.13	0.71 ± 0.06
RSFR-M-3X-9.5-	10.2±0.32	16.7±0.5	0.52±0.11	≤3.18	0.77 ± 0.06
RSFR-M-3X-12.7-	13.5±0.36	21.8±0.6	0.53±0.11	≤4.23	0.80 ± 0.07
RSFR-M-3X-19.0-	20.1±0.40	32.2±0.6	0.55±0.11	≤6.35	0.84 ± 0.07
RSFR-M-3X-25.0-	26.7±0.45	42.5±0.7	0.56±0.12	≤8.47	0.86 ± 0.07
RSFR-M-3X-38.0-	39.8±0.51	63.2±0.8	0.57±0.12	≤12.90	0.89 ± 0.07
RSFR-M-3X-51.0-	53.0±0.56	83.9±0.9	0.57±0.13	≤17.20	0.90 ± 0.08

Package Information

Ordering Size	Ladder Format Type	Continuous Type		
(RSFR-M-2X/3X)	Small Box Packing (PCS/Box)	A-Paper reel Packing (m/reel)		
Ф2.4	2500	50		
Ф3.2	2000	100		
Ф4.8	2000	100		
Ф6.4	2000	100		
Ф9.5	1000	100		
Ф12.7	1000	100		
Ф19.0	500	100		
Ф25.0	500	100		
Ф38.0	500	50		
Ф51.0	250	50		

B02 Product Catalogue www.woer.com B03