

HEAT SHRINKABLE POLYOLEFIN

SEMI-RIGID • HEAVY-WALL • MELTABLE WALL



HIM dual-wall tubing utilizes a meltable inner wall and shrinkable outer wall. When heat is applied, the outer wall contracts forcing the meltable inner wall to flow in and around the object being covered. When cooled, the entire mass becomes a rigid, tough, single molding, making **HIM** an excellent encapsulation product for protecting delicate components.

Applicable Specifications: SAE-AMS-DTL-23053/4, Class 1
 UL File Number: E194625
 Operating Temperature Range: -67°F (-55°C) to 230°F (110°C)
 Shrink Ratio: Varies by size
 Shrink Temperature: 275°F (135°C)
 Recommended Heat Gun: 500°F (260°C)
 Standard Colors: Black, or color coded by size
 Standard Shipping Length: 4-foot or 6-inch lengths
 (Catalog No. HIM6-Size)

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Wall Thickness (Rec.)		Meltable Wall Thickness (Rec.)		Std. 4-ft Lengths ft / pkg	Additional Colors Coded by Size
	inches	mm	inches	mm	inches	mm	inches	mm		
HIM-1/8	0.125	3.18	0.023	0.58	0.035	0.89	0.020	0.50	100	Brown
HIM-3/16	0.188	4.76	0.060	1.52	0.040	1.02	0.025	0.63	100	Gray
HIM-1/4	0.250	6.35	0.080	2.03	0.042	1.07	0.027	0.69	100	White
HIM-3/8	0.375	9.53	0.135	3.43	0.045	1.14	0.030	0.76	100	Red
HIM-1/2	0.500	12.70	0.195	4.95	0.050	1.27	0.035	0.89	40	Blue
HIM-3/4	0.750	19.05	0.313	7.95	0.060	1.52	0.040	1.01	20	Yellow
HIM-1"	1.000	25.40	0.400	10.16	0.070	1.78	0.040	1.01	20	Black

HEAT SHRINKABLE FLUOROPOLYMER

VERY FLEXIBLE • THIN-WALL • 2:1



HVFX is a radiation-cross-linked, thin wall, heat shrinkable flexible fluoropolymer that can be used for jacketing and bundling wires to form light-duty harnesses. This is especially good where low profile, abrasion resistance, and flexibility are needed. This material can also be used to provide insulation and strain relief of electrical connections and wire terminations, identification of wires, and packaging of components.

Applicable Specifications: SAE-AMS-DTL-23053/18, Class 2
 UL File Number: E194625 (VW-1)
 Operating Temperature Range: -67°F (-55°C) to 302°F (150°C)
 Shrink Ratio: 2 to 1
 Shrink Temperature: 302°F (150°C)
 Recommended Heat Gun: 500°F (260°C)
 Standard Colors: Black
 Standard Shipping Length: Spooled

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Thickness		Std. Spools ft / spool
	inches	mm	inches	mm	inches	mm	
HVFX-3/64	0.046	1.17	0.023	0.58	0.010	0.25	100, 1000
HVFX-1/16	0.063	1.60	0.031	0.79	0.010	0.25	100, 1000
HVFX-3/32	0.093	2.36	0.046	1.17	0.010	0.25	100, 500
HVFX-1/8	0.125	3.18	0.063	1.60	0.010	0.25	100, 500
HVFX-3/16	0.188	4.76	0.093	2.36	0.010	0.25	100, 200
HVFX-1/4	0.250	6.35	0.125	3.18	0.012	0.30	100, 250
HVFX-3/8	0.375	9.53	0.188	4.76	0.012	0.30	100, 200
HVFX-1/2	0.500	12.70	0.250	6.35	0.012	0.30	100, 150
HVFX-3/4	0.750	19.05	0.375	9.53	0.017	0.43	100, 150
HVFX-1"	1.000	25.40	0.500	12.70	0.019	0.48	100, 125