

Medium wall crosslinked polyolefin

Medium wall heat shrink tubing suitable for a variety of low voltage electrical and mechanical applications where lighter weight and greater flexibility are important.



Features and Benefits

- Seals and protects cable splices and terminations
- Except for clear or transparent tubing, all colors are UV resistant
- Rugged mechanical protection
- Complete moisture sealing
- Strain relief for delicate wire connections
- High resistance to impact and abrasion
- Optional thermoplastic adhesive liner for complete environmental protection and insulation
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C min.

Standards

- IEC 60684-3-247

Typical Applications

- Strain relief and environmental protection
- Splice covers for electrical cables
- HVAC systems for pipes and ducts
- Insulation cover or jacket repair on low voltage cables

3:1

Shrink ratio

Markets:

Industrial, Commercial, Utility

Standards:



-55°C - 110°C (-67°F to 230°F)

Continuous
operating
temperature



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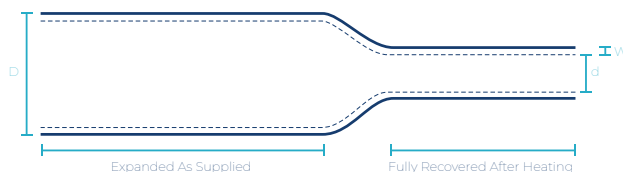
ORDER NUMBER	EXPANDED	RECOVERED		APPLICATION RANGE	DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	GENERAL USE	LENGTHS
	mm (in)	mm (in)	mm (in)	mm (in)	1.22 m (48 in)
0400	10.2 (0.40)	3.8 (0.15)	2.0 (0.080)	4.5-8.5 (.18-.34)	100
0750	19.1 (0.75)	5.6 (0.22)	2.0 (0.080)	6.0-16.5 (.24-.65)	75
1100	27.9 (1.10)	10.2 (0.40)	2.4 (0.095)	11.5-25 (.45-1.0)	35
1300	33.0 (1.30)	10.2 (0.40)	2.4 (0.095)	11.5-30 (.45-1.2)	75
1500	38.1 (1.50)	12.7 (0.50)	2.4 (0.095)	14.0-35 (.55-1.4)	40
1700	43.2 (1.70)	12.7 (0.50)	2.5 (0.100)	14.0-40 (.55-1.6)	25
2050	52.1 (2.05)	19.1 (0.75)	2.5 (0.100)	21.0-45 (.82-1.8)	15
2750	69.9 (2.75)	25.4 (1.00)	2.5 (0.100)	30.0-63 (1.2-2.5)	10
3500	88.9 (3.50)	29.9 (1.18)	2.5 (0.100)	33-83.8 (1.3-3.3)	5
4700	119.4 (4.70)	39.9 (1.57)	2.7 (0.105)	40.6-114 (1.6-4.5)	5
6000	152.4 (6.00)	50.8 (2.00)	3.0 (0.120)	53.3-147 (2.1-5.8)	5
6700	170.2 (6.70)	58.4 (2.30)	3.0 (0.120)	70.0-165 (2.4-6.5)	5
9000	228.6 (9.00)	77.0 (3.00)	3.3 (0.130)	71.0-220 (2.8-8.7)	5

Ordering

Select a dimension which will shrink snugly over the application to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

- Select options:
 - Color: Black (BK)
 - Printing: Printed or unprinted
 - Adhesive lining: Lined (D) or unlined (U)
 - Lengths: 1 m or 1.22 m, or 7.62 m spool on request (only unlined)
- Please specify the product name, order number and options you require
- Example: CFM, 1100, U, black, unprinted, 1.22 m length

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.



We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Tensile Strength	2,100 psi (14.5 MPa)	ASTM D412, ISO 37
Elongation	550%	ASTM D412, ISO 37
Elongation after Heat Aging (168 hr at 150°C)	500%	ASTM D2671, ISO 37
Heat Shock (4 hr at 225°C)	No cracking or flowing	ASTM D2671
Longitudinal Change	+1%, -10%	ASTM D2671
Low Temperature Flexibility (4 hr at -55°C)	No cracking	ASTM D2671
Specific Gravity	1.1	ASTM D792, ISO/R1183
Hardness (Shore D)	50D	ASTM D2240
ELECTRICAL		
Dielectric Strength	500 V/mil (20 kV/mm)	ASTM D149, IEC 243
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min)	No beakdown	UL 486D
Volume Resistivity	10 ¹⁶ ohm-cm	ASTM D257
CHEMICAL		
Fluid Resistance	Good to excellent	MIL-DTL-23053/5, ISO 1817 and 37
Fungus Resistance	No growth	ASTM G21
Copper Corrosion	No corrosion	ASTM D2671
Water Absorption	0.1%	ASTM D570
ADHESIVE		
Adhesive Lap Shear (1 in/min at 23°C)	125 psi (0.875 MPa)	ASTM D1002 (mod)
Adhesive Softening Point	92°C ±5°C	ASTM E28
Adhesive Peel Strength (300 mm/min at 23°C) to steel, aluminum, PE	35 pli	ASTM D1000
Adhesive Peel Strength (300 mm/min at 23°C) to PVC	20 pli	ASTM D1000
Adhesive Blocking (30°C)	No blocking	ASTM D1146
Water Penetration	No penetration after 286 hr of continuous immersion	STM 706

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