

CPX 876 NA

Thin wall crosslinked polyolefin
Thin wall, highly flame retardant,
crosslinked polyolefin.



Features and Benefits

- Highly flame retardant for use in consumer products
 - Low shrink temperature reduces risk of damage to electronic components
 - Flexible
 - Resistant to common fluids and solvents
 - Printable
 - Shrink ratio: 2:1
 - Continuous operating temperature: -55°C to 135°C
 - Shrink temperature: 85°C min.
- Protection and bundling of small harnesses

Standards

- UL 224 125C VW-1 - UL file # E107857
- CSA 22.2 No 198.1 125C OFT and Class 1 - CSA file # 265111

Typical Applications

- Strain relief of wire connections
- Insulation of in-line splices

2:1

Shrink ratio

-55°C - 135°C (-67°F to 275°F)

Continuous
operating
temperature

Markets:

Aerospace, Defense, Industrial, Consumer electronics

Standards:



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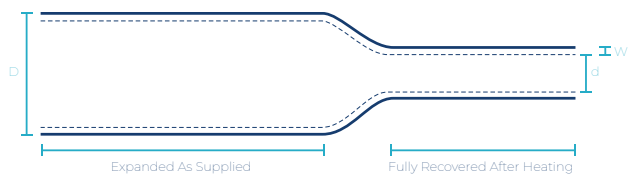
ORDER NUMBER	EXPANDED	RECOVERED		DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	SPOOL
	mm (in)	mm (in)	mm (in)	m (ft)
0047	1.2 (3/64)	0.6 (3/128)	0.45 (0.018)	300 (984)
0062	1.6 (1/16)	0.8 (1/32)	0.45 (0.018)	300 (984)
0093	2.4 (3/32)	1.2 (3/64)	0.51 (0.020)	300 (984)
0125	3.2 (1/8)	1.6 (1/16)	0.51 (0.020)	300 (984)
0187	4.8 (3/16)	2.4 (3/32)	0.51 (0.020)	300 (984)
0250	6.4 (1/4)	3.2 (1/8)	0.64 (0.026)	150 (492)
0375	9.5 (3/8)	4.8 (3/16)	0.64 (0.026)	150 (492)
0500	12.7 (1/2)	6.4 (1/4)	0.64 (0.026)	60 (200)
0625	16.0 (5/8)	8.0 (5/16)	0.64 (0.026)	60 (200)
0750	19.0 (3/4)	9.5 (3/8)	0.76 (0.030)	30 (100)
1000	25.4 (1)	12.7 (1/2)	0.89 (0.035)	30 (100)
1250	32.0 (1 1/4)	16.0 (5/8)	0.89 (0.035)	30 (100)
1500	38.1 (1 1/2)	19.0 (3/4)	1.02 (0.040)	30 (100)
2000	50.8 (2)	25.4 (1)	1.14 (0.045)	30 (100)
3000	76.2 (3)	38.1 (1 1/2)	1.27 (0.050)	15 (50)
4000	101.6 (4)	50.8 (2)	1.40 (0.055)	15 (50)

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), red (RD), white (WT), blue (BL), yellow (YL), green (GR) - all (except black) with MOQ
 - Printing: Printed or unprinted
 - Length: Continuous reels
- Please specify the product name, order number and options you require
- Example: CPX 876, 0125, black, unprinted, 1,000 ft lengths

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.

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Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
PHYSICAL		
Tensile Strength	2,200 psi (15.0 MPa)	ASTM D2671, ISO 37
Elongation	400%	ASTM D2671, ISO 37
Longitudinal Change	-20	ASTM D2671
2% Secant Modulus	16,000 psi (110 MPa)	ASTM D2671
Specific Gravity	1.3 (colours), 0.95 (clear)	ASTM D792, ISO R1183
Restricted Shrinkage	No cracking	ASTM D2671
Elongation after Heat Aging (168 hr at 175°C)	350%	ASTM D2671
Heat Shock (4hr at 250°C)	No cracking or flowing	ASTM D2671
Low Temperature Flexibility (4 hr at -55°C)	No cracking or flowing	ASTM D2671
Flammability	Flame retardant (except clear)	ASTM D2671, Proc. B
CHEMICAL		
Fluid Resistance: Hydraulic fluid, jp-8, lubricating oil, 5% NaCL, deicing fluid	Good to Excellent	n/a
Copper Corrosion	No Corrosion	ASTM D2671
Water Absorption	0.2%	ASTM D570
Fungus Resistance	No growth	ASTM G21
ELECTRICAL		
Dielectric strength	600 V/mil (24 kV/mm)	ASTM D2671, IEC 243
Spec. volume resistivity	10 ¹⁶ Ω x cm	ASTM D2671

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