

CPA 100

Thin wall adhesive lined crosslinked polyolefin

Adhesive lined heat shrink tubing with environmental sealing capability ideal for a variety of applications including general purpose automotive and marine wire harness bundles, industrial splices, breakouts and connector to cable transition.



Features and Benefits

- Superior sealing against water, moisture or other contaminants
 - High shrink ratio allows for coverage of irregularly shaped connectors and components
 - Inner adhesive bonds to plastics, rubber, neoprene, steel and polyethylene
 - Rated for 1 kV, 90°C continuous use
 - Shrink ratio: 3:1
 - Continuous operating temperature: -55°C to 110°C
 - Shrink temperature: 90°C
- Repair of damaged wire harnesses

Typical Applications

- Environmental sealing and strain relief of connectors and terminals
- Moisture sealing and electrical insulation of simple in-line splices
- Abrasion resistance for tubes and pipes

3:1

Shrink ratio

-55°C - 110°C (-67°F to 230°F)

Continuous operating temperature

Markets:

Automotive, Industrial

Standards:



CPA 100

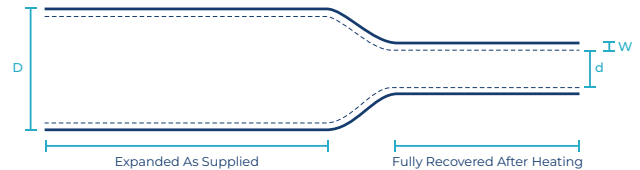
ORDER NUMBER	EXPANDED		RECOVERED		DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	MELTABLE WALL THICKNESS (NOM)	LENGTHS
	<i>mm (in)</i>	<i>mm (in)</i>	<i>mm (in)</i>	<i>mm (in)</i>	1.22M / 48 IN
0125	3.2 (1/8)	1.0 (0.040)	1.0 (0.040)	0.5 (0.020)	48
0187	4.7 (3/16)	1.5 (0.060)	1.0 (0.040)	0.5 (0.020)	48
0250	6.4 (1/4)	2.0 (0.080)	1.0 (0.040)	0.5 (0.020)	48
312	7.9 (5/16)	2.5 (0.100)	1.3 (0.050)	0.7 (0.027)	48
0375	9.5 (3/8)	3.2 (0.125)	1.5 (0.060)	0.7 (0.027)	48
0500	12.7 (1/2)	4.1 (0.160)	1.8 (0.070)	0.8 (0.030)	48
0750	19.0 (3/4)	6.4 (0.250)	1.8 (0.070)	0.8 (0.030)	48
1000	25.4 (1)	8.1 (0.320)	2.5 (0.100)	1.0 (0.040)	48
1250	31.8 (1 1/4)	10.6 (0.416)	2.5 (0.100)	1.0 (0.040)	48
1500	39.9 (1 1/2)	13.0 (0.510)	2.5 (0.100)	1.0 (0.040)	1.2

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), clear (CL), blue (BL), white (WT), yellow (YW)
 - Length: Standard stick, spool or custom lengths
- Please specify the product name, order number and options you require
- Example: CPA 100, 0125, black, 48 in 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.

For further information, please contact:

Americas: 800 422 6872
Canada: 800 845 6808

Asia Pacific: +86 512 82280099
Europe: +49 2226 9047 355

Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Tensile Strength	1,800 psi (12.4MPa)	ASTM D638
Elongation	450%	ASTM D638
Longitudinal Change	-20	ASTM D2671
2% Secant Modulus	14,000 (96 MPa)	ASTM D882
Specific Gravity	1.22	AS23053/4
Heat Resistant Properties (168 hr at 175°C)	No Cracking, Flowing or Dripping of Outer Wall	AS23053/4
Heat Shock (4 hr at 250°C)	No Cracking, Flowing or Dripping of Outer Wall	AS23053/4
Flammability	Flame Retardant Outer Wall (except Clear)	ASTM D2671
CHEMICAL		
Fluid Resistance	Good to Excellent	AS23053/4
Copper Corrosion	No Corrosion	AS23053/4
Water Absorption	0.2%	ASTM D570
Fungus Resistance	No Growth	ASTM G21
ELECTRICAL		
Dielectric Strength	550 V/mil (22 kV/mm)	ASTM D2671
Volume Resistivity	10 ¹⁴ ohm-cm	ASTM D876

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