

CPA 300

Thin wall adhesive lined crosslinked polyolefin

Adhesive lined heat shrink tubing ideal for applications where both exceptional flame retardancy and environmental sealing capabilities are required.



Features and Benefits

- Highly flame retardant
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Adhesive liner bonds to plastics, rubber, steel and polyethylene
- Superior sealing against water, moisture and other contaminants
- Superior protection for ring terminals without excessive adhesive flow
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 125°C
- Shrink temperature: 120°C min.

Standards

- UL 224 125C - UL file # E63390
- CSA 22.2 No 198.1 125C - CSA file # 065789_0_000
- QPL SAE AS23053/4

- Approved to major automotive OEM specifications

Typical Applications

- Environmental sealing of simple in-line splices
- Strain relief and sealing of connectors and terminals
- Mechanical protection of components

3:1

Shrink ratio

-55°C - 125°C

(-67°F to 257°F)

Continuous operating temperature

Markets:

Aerospace, Defense, Mass Transit, Industrial, Automotive

Standards:



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CPA 300

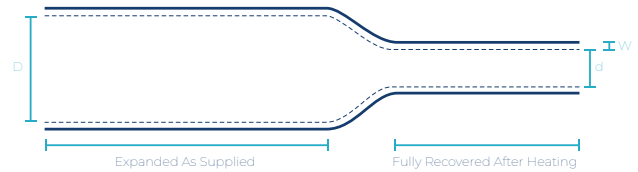
ORDER NUMBER	EXPANDED		RECOVERED		DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	MELTABLE WALL THICKNESS (NOM)	LENGTHS
	mm (in)	mm (in)	mm (in)	mm (in)	1,22m / 48 in
0125	3.2 (1/8)	1.0 (0.040)	1.0 (0.040)	0.5 (0.020)	25
0187	4.7 (3/16)	1.5 (0.060)	1.0 (0.040)	0.5 (0.020)	25
0250	6.4 (1/4)	2.0 (0.080)	1.0 (0.040)	0.5 (0.020)	25
0375	9.5 (3/8)	3.2 (0.125)	1.5 (0.060)	0.7 (0.027)	25
0500	12.7 (1/2)	4.1 (0.160)	1.8 (0.070)	0.8 (0.030)	25
0750	19.1 (3/4)	6.4 (0.250)	1.8 (0.070)	0.8 (0.030)	25
1000	25.4 (1)	8.1 (0.320)	2.50 (0.100)	1.0 (0.040)	25
1250	31.8 (1 1/4)	10.6 (0.416)	2.50 (0.100)	1.0 (0.040)	25
1500	39.9 (1 1/2)	13.0 (0.510)	2.50 (0.100)	1.0 (0.040)	20

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
- Please specify the product name, order number and options you require
- Example: CPA 300, 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.

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Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Tensile strength	1,800 psi (12.4MPa)	ASTM D638
Elongation	450%	ASTM D638
Longitudinal change	-10	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	ASTM D2671
ELECTRICAL		
Dielectric strength	550 V/mil (22 kV/mm)	ASTM D2671
Volume resistivity	10 ¹⁴ ohm-cm	ASTM D876
Voltage withstand	No breakdown	UL 224, 2500V, 60s
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

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