

CPA 300

INSULATE
SEAL
PROTECT

3:1
SHRINK RATIO



THIN WALL ADHESIVE LINED CROSS-LINKED POLYOLEFIN

ADHESIVE LINED HEAT SHRINK TUBING IDEAL FOR APPLICATIONS WHERE BOTH EXCEPTIONAL FLAME RETARDANCY AND ENVIRONMENTAL SEALING CAPABILITIES ARE REQUIRED

FEATURES AND BENEFITS

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

STANDARDS

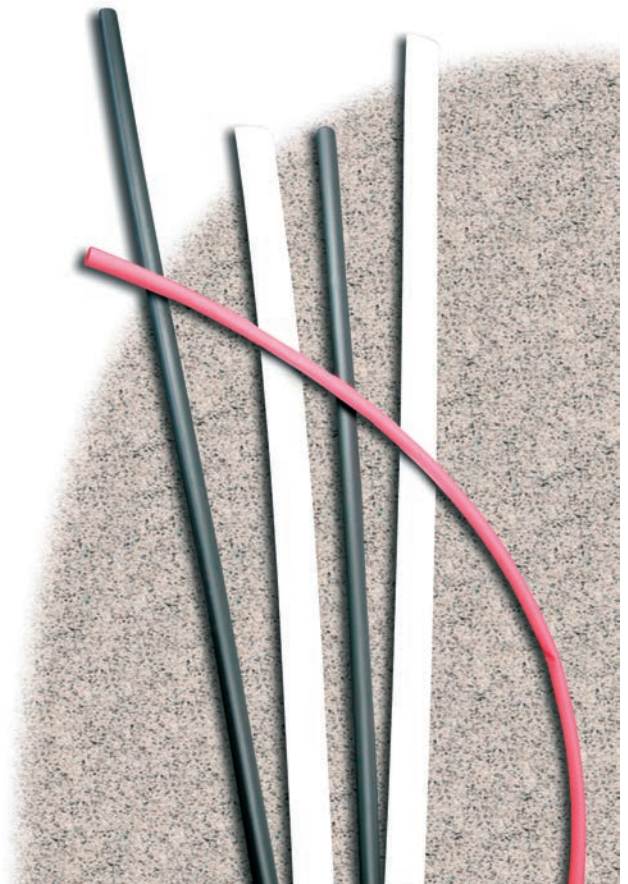
- UL 224, 125°C
- CSA C22.2 No.198.1 125°C
- SAE-AMS-DTL-23053/4, Class 3
- Automotive OEM Approvals

TYPICAL APPLICATIONS

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

ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Please specify the product name and order reference number. Order Example:
CPA 300, 0125, black, 48 in lengths



DIMENSIONS

Order Number	Expanded		Recovered						Lengths (Sticks)	
	Internal Diameter (min.) D		Internal Diameter (max.) d		Total Wall Thickness (nom.) W		Meltable Wall Thickness (nom.)			
	mm	in	mm	in	mm	in	mm	in	m	in
0125	3.2	1/8	1.0	0.040	1.0	0.040	0.5	0.020	1.2	48
0187	4.7	3/16	1.5	0.060	1.0	0.040	0.5	0.020	1.2	48
0250	6.4	1/4	2.0	0.080	1.0	0.040	0.5	0.020	1.2	48
0375	9.5	3/8	3.2	0.125	1.5	0.060	0.7	0.027	1.2	48
0500	12.7	1/2	4.1	0.160	1.8	0.070	0.8	0.030	1.2	48
0750	19.1	3/4	6.4	0.250	1.8	0.070	0.8	0.030	1.2	48
1000	25.4	1	8.1	0.320	2.5	0.100	1.0	0.040	1.2	48
1250	31.8	1¼	10.6	0.416	2.5	0.100	1.0	0.040	1.2	48
1500	39.9	1½	13.0	0.510	2.5	0.100	1.0	0.040	1.2	48

TECHNICAL DATA

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL PERFORMANCE	UNITS
PHYSICAL				
Tensile Strength	ASTM D638	1,300 (9.0) minimum	2,342 (16.15)	psi (MPa)
Elongation	ASTM D638	250 minimum	452	percent
Cold Impact	4 hrs at -67 °F (-55 °C)	No cracking	No cracking	
Heat Shock	4 hrs at 482 °F (250 °C)	No cracks, flowing or dripping	No cracks, flowing or dripping	
Tensile Strength	ASTM D412	900 (6.2) minimum	1,228 (8.47)	psi (MPa)
ELECTRICAL				
Dielectric Strength	ASTM D2671	200 (7.9) minimum	762 (30)	volts/mil (Kv/mm)
CHEMICAL				
Corrosion	16 hrs at 250 °F (121 °C)	No corrosion	No corrosion	
Water absorption	24 hrs at 73 °F (23 °C)	1.0 maximum	0.44	percent
Flammability	ASTM D2671, Procedure B	Self extinguishing 1 minute; 25% maximum flag burnt	Pass	
Fluid resistance: (Hydraulic fluid (petroleum base), JP-8, Lubricating oil, 5 percent NaCl, Deicing fluid)	24 hrs immersion at 75 °F (24 °C)			
Tensile strength	ASTM D412	900 (6.2) minimum	1,228 (8.47)	psi (MPa)
Dielectric strength	ASTM D2671	200 (7.9) minimum	762 (30)	volt/mil (Kv/mm)
Fungus resistance	ASTM G21	No growth	No growth	

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