



ELECTRICAL
MECHANICAL
INSULATION

CSNUSA
EMI



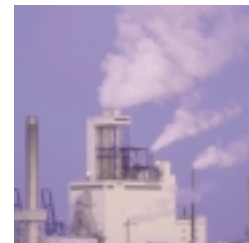
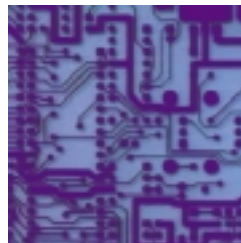
FLAME
RETARDANT



2:1
STANDARD
SHRINK RATIO

Thin Wall Crosslinked
Polyolefin

CHM 140



CHM 140

Semi-Rigid Heat Shrink Tubing for use with automatic feed equipment or other industrial, military/aerospace and commercial applications requiring exceptional strain relief

Features

- Exceptional mechanical strength and abrasion resistance
- Semi-rigid
- Flame retardant
- Resistant to acids, alkalis, hydrocarbon solvents and hydraulic fluids
- Meets: MIL-DTL-23053/6, AMS 3638 and 3639, UL 224
- Continuous operating temperature: -55°C to 135°C
- Shrink temperature: 135°C



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671, ISO 37	2500 psi (17 MPa)
Elongation	ASTM D2671, ISO 37	300%
2% Secant Modulus	ASTM D2671	35000 psi (240 MPa)
Longitudinal Change	ASTM D2671	+1, -5%
Specific Gravity	ASTM D792	1.35
Restricted Shrinkage	ASTM D2671	No cracking
Elongation After Heat Aging (168 hrs at 175°C)	ASTM D2671	150%
Heat Shock (4hrs at 250°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
Flammability	ASTM D2671	Flame retardant

Electrical

Dielectric Strength	ASTM D2671, IEC243	500V/Mil (20kV/mm)
Volume Resistivity	ASTM D2671	10 ¹⁴ ohm-cm

Chemical

Fluid Resistance	MIL-DTL-23053/6 ISO 1817, ISO 37	Excellent
Fungus Resistance	ASTM G21	No growth
Copper Corrosion	ASTM D2671	Non-corrosive
Water Absorption	ASTM D570	0.2%

CANUSA-EMI

There's no end to what we cover

CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

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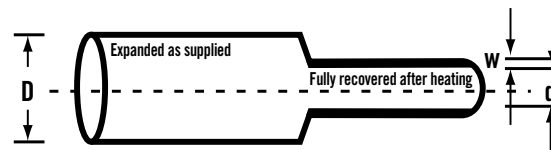
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WORLDWIDE WEB: www.canusa-emi.com

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Dimensions

ORDER REF. NO. METRIC	ORDER REF. NO. IMPERIAL	EXPANDED		RECOVERED				STANDARD LENGTHS	
		INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		WALL THICKNESS (NOM)		AA m	BB FT
XXXX	YYYY	mm	D IN	mm	d IN	mm	w IN		
0012	0046	1.2	3/64	0.595	0.023	0.508	0.020	300	1000
0016	0063	1.6	1/16	0.794	0.031	0.508	0.020	300	1000
0024	0093	2.4	3/32	1.191	0.046	0.508	0.020	300	1000
0032	0125	3.2	1/8	1.587	0.062	0.508	0.020	300	1000
0047	0187	4.7	3/16	2.362	0.093	0.635	0.025	300	1000
0064	0250	6.4	1/4	3.175	0.125	0.635	0.025	150	500
0095	0375	9.5	3/8	4.749	0.187	0.762	0.030	150	500
0127	0500	12.7	1/2	6.350	0.250	0.762	0.030	75	200



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.

To Order in Metric Units:

CHM 140 - ^{Order Ref. No.}XXXX - ^{Options}CC - ^{Options}OO - ^{Standard Length}AA - M

To Order in Imperial Units:

CHM 140 - ^{Order Ref. No.}YYYY - ^{Options}CC - ^{Options}OO - ^{Standard Length}BB - I

Standard Colors (CC)

Order Code	Color
BK	BLACK

* For additional colors please see price list.

Options (OO)

Unprinted	00
Printed	01

Lengths: Supplied on continuous reels. Also 4 ft. (1.2m) lengths.

Standards: MIL-DTL-23053/6, AMS 3638 & 3639, UL224

Note: Non-standard colors, sizes and lengths available subject to factory quotation.

REV 1