

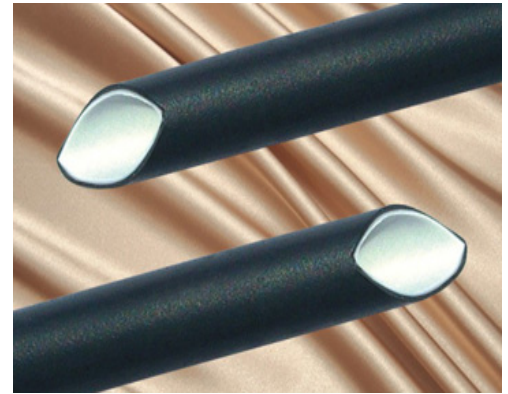
Q5-4XR2



SEMI-RIGID, ADHESIVE LINED HEAT SHRINKABLE TUBING
SHRINK RATIO 4:1

Features/Applications

Specially designed for use on automotive lines, stress relief on wire harnesses, and anywhere oil resistance and abrasion protection are required. The semi-rigid composition makes it more abrasion resistant compared with most common tubing and the 4:1 shrink ratio fits a wide range of component diameters. With its thicker liner, it forms an effective barrier against fluids and moisture.



- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 100°C
- Approval: us, 125°C, VW-1, 600V
- Meets: SAE-AMS-DTL-23053/4
- Standard colors: Black with a white adhesive liner
- RoHS Compliant

Technical Data			
Property	Test Method	Specifications	Typical Data
Tensile Strength	ASTM D 2671	≥ 10.4 MPa	13.6 MPa
Elongation at Break	ASTM D 2671	≥ 200%	320%
Longitudinal Change	ASTM D 2671	≤ 10%	≤ 10%
Tensile Strength After Aging (158°C, 168 hrs.)	ASTM D 2671	> 7.3 MPa	9.6 MPa
Elongation at break (158°C, 168 hrs.)	ASTM D 2671	≥ 100%	220%
Dielectric Strength at 1min, AC2500V	ASTM D 2671	≥ 19.7	No Breakdown
Volume Resistance	ASTM D 876	≥ 10 ¹² Ω.cm	2.6 x 10 ¹³ Ω.cm
Flammability	ASTM D 2671	Self-extinguishing within 1min. less than 25% of indicator flag burned or charred	Pass
Water Absorption	ASTM D 570	≤ 0.5%	0.4%
Fluid Resistance	24 ± 3°C, 24hrs	No Cracking	No Cracking
Copper Corrosion at 175 ± 2°C	ASTM D 2671	No Corrosion	No Corrosion
Softening Point of Melttable Liner		120 ± 5°C	Ok
Peel Strength of Melttable Liner	ASTM D 1000	> 80 N/25mm	94 N/25mm

Product Dimensions						
Size (mm)	As Supplied (mm)		After Recovered (mm)		Standard Packaging	
	Inside Diameter (min.)	Inside Diameter (max.)	Total Wall Thickness (nom.)	Adhesive Thickness (nom.)	Cut to Length Pcs. *(QB) Qty per bag	
					6"	48"
7.6/1.65	7.6	1.65	1.5	0.70	20	5
9.0/2.30	9.0	2.30	1.5	0.70	16	5
11.6/2.54	11.6	2.54	2.3	1.20	14	5
17.8/4.45	4.45	4.45	2.5	1.20	12	5

- Notes:
- * See Part Number Guide for standard packaging codes.
 - Special sizes, packaging, colors and cut pieces are available upon request.