

Introducing
QSW (Quick Shrink Wrap)
Adhesive-Lined Polyolefin Wraparound
Repair Sleeve

QSW (Quick Shrink Wrap) Adhesive-Lined Polyolefin Wraparound Repair Sleeve

KEY FEATURES

- Combines the ease of installation of self-adhesive tapes with the superior sealing and insulation capabilities of heat-shrinkable tubing
- Wraparound sleeves provide a quick and permanent method for repairing and sealing minor damage to cable insulation without de-pinning a connector
- Useful for organizing and grouping wire bundles and cables
- Adhesive lining provides excellent bonding and sealing to most common insulation materials such as crosslinked polyethylene, polyethylene, ethylene propylene rubber and PVC as well as to metals including copper and steel
- Installs quickly and easily using a small propane torch, high output heat gun or production oven

DESCRIPTION

Adhesive-lined Polyolefin Wraparound Repair Sleeve

Available in two widths and several lengths to cover a wide range of applications

APPLICATIONS

Rail and Mass Transit

Automotive and Truck

Industrial Machinery

Commercial and Military Harnesses

TEMPERATURE RATING

Minimum shrink temperature: 70°C [158°F]

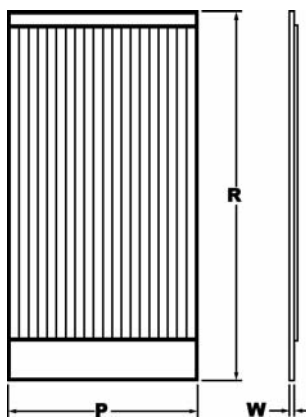
Minimum full recovery temperature: 130°C [266°F]

Continuous operating temperature: -45°C to 110°C [-49°F to 230°F]

SPECIFICATIONS

QSW Specification Control Drawing

PRODUCT DIMENSIONS



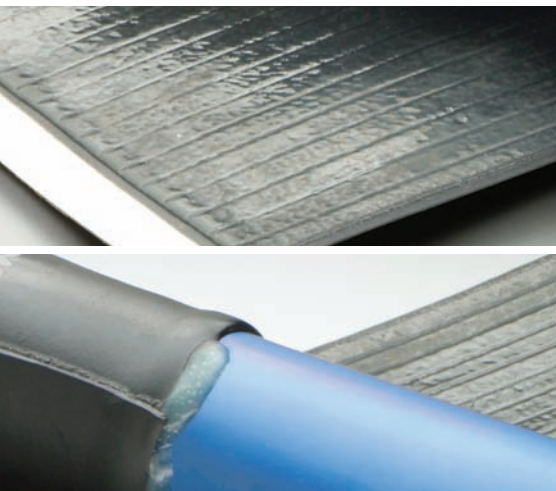
Notes:

1. Dimensions mm (in.)
2. Dimension **R** = length of sheet (shrinks approximately 10%)
3. Dimension **P** = width of the sheet
4. Dimension **W** = wall thickness .65mm (.025)

Product Description	Substrate Diameter Range	P +1 (.04) -0	R ±6 (.24)
QSW 60-100	10 (0.4) - 20 (0.8)	60 (2.4)	100 (4.0)
QSW-60-200	20 (0.8) - 50 (2.0)	60 (2.4)	200 (7.9)
QSW-60-300	40 (1.6) - 75 (3.0)	60 (2.4)	300 (11.8)
QSW-60-400	50 (2.0) - 100 (4.0)	60 (2.4)	400 (15.7)
QSW-100-100	10 (0.4) - 20 (0.8)	100 (4.0)	100 (4.0)
QSW-100-200	20 (0.8) - 50 (2.0)	100 (4.0)	200 (7.9)
QSW-100-300	40 (1.6) - 75 (3.0)	100 (4.0)	300 (11.8)

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PROPERTIES



Property	Unit	Requirement	Test Method
Tensile Strength	psi (MPa)	2466 (17) minimum	ASTM D412
Ultimate Elongation	Percent	350 minimum	ASTM D412
Specific Gravity	—	1.05 maximum	ASTM D792
Hardness	Shore D	40-50	ASTM D2240
Accelerated Aging, 168 hrs @ 150 ± 2°C (302 ± 4°F) followed by tests for:			ASTM D2671
Tensile Strength	psi (MPa)	1740 (12) minimum	ASTM D412
Ultimate Elongation	Percent	200 minimum	ASTM D412
Low Temperature Flexibility 4 hrs @ 40 ± 3°C (-40 ± 5°F)	—	No cracking	ASTM D2671 Procedure C
Dielectric Strength	V/mil (kV/cm)	500 (200) minimum	ASTM D2671
Volume Resistivity	ohm-cm	1 x 10 ²² minimum	ASTM D2671
Water Absorption, 168 hrs @ 23 ± 2°C (73 ± 4°F)	Percent	0.2 maximum	ASTM D2671
Fluid Resistance 24 hrs @ 23 ± 2°C (73 ± 4°F) in: Hydraulic Fluid (MIL-H-5606) JP-8 (MIL-T-5624) Lubricating Oil (MIL-L-7808) Lubricating Oil (MIL-L-23699) 5 percent NaCl (A-A-694) Deicing Fluid (MIL-A-8243) Skydrol 500			AMS-DTL-23053/5
Followed by tests for:			
Tensile Strength	psi (MPa)	1000 (6.9) minimum	ASTM D2671
Dielectric Strength	V/mil (kV/mm)	400 (15.8) minimum	ASTM D2671
Weathering	The material from which QSW is manufactured contains carbon black to protect it from ultraviolet radiation.		

ORDERING INFORMATION

Color	Black
Size selection	Order the size that will recover tightly on the substrate diameter and extend beyond each side of the damaged area by at least 1" (25mm)
Packaging	In pieces
Description	Specify product name, width, and length (for example, QSW-60-100)