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

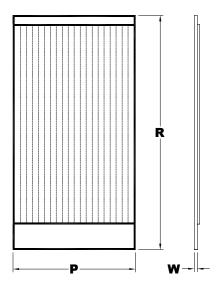


Table 1: Dimensions

Size	Substrate Diameter Range	Dimension P +1 mm <i>(0.04 in.)</i> , - 0	Dimension R ± 6 mm (<i>0.24 in.</i>)	
	mm <i>(in.)</i>	mm <i>(in.)</i>	mm <i>(in.)</i>	
QSW-60-100	10 <i>(0.4)</i> – 20 <i>(0.8)</i>	60 (2.4)	100 <i>(4.0)</i>	
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 <i>(</i> 2. <i>0</i>) – 100 <i>(</i> 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)	

Notes: 1. Dimension W (wall thickness): 0.65 mm (0.025 in.) nominal

2. Dimension R (length of sheet) shrinks approximately 10%

<u>Material</u>: QSW sleeves shall be fabricated from irradiated modified polyolefin compounded to produce a homogeneous, uniform product whose exterior surface is essentially free from flaws, defects, pinholes, seams, cracks or inclusions, and the color shall be black. The interior shall be coated with a hot melt thermoplastic adhesive.

© 2007,2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.
Customer Drawing

TE Connectivity 305 Constitution Drive Menlo Park, CA 94025 USA		Raychem Tubing QSW (Quick Shrink Wrap) Adhesive-Lined Polyolefin Wraparound Repair Sleeve			
TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		Document No : QSW			
Cage Code:	Scale:	Size:	Rev. Date:	Rev:	Sheet:
06090	None	A	15-Apr-11	B1	1 of 2

Table 2: 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 <i>(12)</i> minimum	ASTM D412
Ultimate Elongation Low Temperature Flexibility	percent	200 minimum	ASTM D412 ASTM D2671
4 hrs @ -40 ± 3℃ (-40 ± 5年)		No cracking	Procedure C
Dielectric Strength	V/mil (kV/cm)	500 (200) minimum	ASTM D2671
Volume Resistivity	ohm-cm	1 x 10 ¹² minimum	ASTM D2671
Water Absorption 168 hrs @ 23 ± 2 °C $(73 \pm 4$ °F)	percent	0.2 maximum	ASTM D2671
Fluid Resistance 24 hours @ 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 Dielectric Strength Weathering	psi (MPa) V/mil (kV/mm) The material from protect it from ultr	1000 (6.9) minimum 400 (15.8) minimum which QSW is manufactured aviolet radiation.	ASTM D412 ASTM D2671 contains carbon black to

- Acceptance Tests: 1. Dimensional (1 piece per lot): Shall meet the specified dimensions.
 - 2. Visual (20 pieces per lot): Both backing and adhesive surfaces shall be essentially free from flaws, defects, pinholes, seams or cracks, and must have clean cut edges.
 - 3. **Application** (1 piece per lot): 15 minutes @ $175 \pm 2\%$; No slip page, bubbles or flaws.

Customer	

Rev. Date:	Rev.:	Document No.	Sheet:
15-Apr-11	B1	QSW	2 of 2