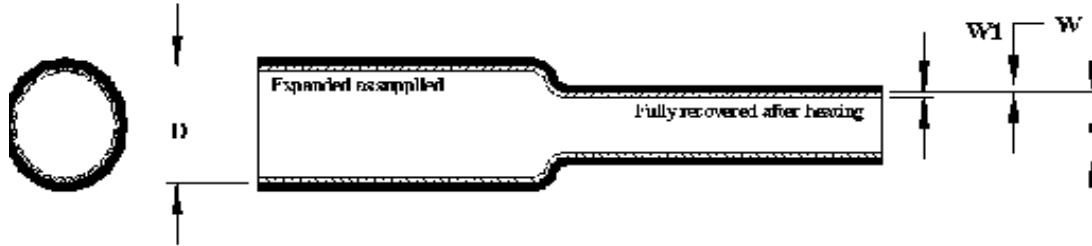


**RHW**  
**Heat-Shrinkable, Heavy Wall, Polyolefin Tubing**



**Table 1: Dimensions**


Size	Minimum Expanded I.D. (D)		Maximum Recovered I.D. (d)		Nominal Recovered Jacket Wall (W)		Nominal Recovered Adhesive Wall (W)	
	In.	mm	In.	mm	In.	mm	In.	mm
9/3	.354	9	.118	3	.079	2.0	.010	.25
13/4	.512	13	.158	4	.094	2.4	.012	.30
20/6	.787	20	.236	6	.098	2.5	.014	.35
33/8	1.299	33	.315	8	.126	3.2	.014	.35
43/12	1.693	43	.472	12	.169	4.3	.016	.40
51/16	2.008	51	.630	16	.177	4.5	.016	.40
70/21	2.756	70	.827	21	.173	4.4	.016	.40
85/25	3.346	85	.984	25	.169	4.3	.016	.40
105/30	4.134	105	1.181	30	.169	4.3	.018	.45
130/36	5.118	130	1.417	36	.169	4.3	.018	.45
160/50	6.299	169	1.968	50	.169	4.3	.018	.45
180/50	7.087	180	1.968	50	.169	4.3	.020	.50

**Material:** The tubing shall be fabricated from a modified irradiated polyolefin compounded to produce a homogeneous; uniform product whose outside surface is essentially free from flaws, defects, pinholes, seams, cracks, or inclusions. The interior wall is coated with a thermoplastic adhesive.

**Color:** Black

**Note:** Only available with adhesive coating.

**CUSTOMER DRAWING**

	TE Connectivity 300 Constitution Drive Menlo Park, CA 94025 USA		<b>Raychem Tubing</b>	Title: <b>RHW Heat-Shrinkable, Heavy Wall, Polyolefin Tubing</b>		
	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 : <b>RHW</b>		
Cage Code: 06090	Scale: None	Size: A	Rev. Date: 15-Apr-11	Rev. : D1	Sheet: 1 of 2	

**CUSTOMER DRAWING**

**Table 2: Properties**

<b>Property</b>	<b>Unit</b>	<b>Requirement</b>	<b>Test Method</b>
Dimensions	Inch (mm)	Table 1	ASTM D412
Tensile Strength	PSI (MPa)	1750 minimum (12)	ASTM D412
Ultimate Elongation	Percent	350 minimum	ASTM D412
Longitudinal Change	Percent	+5 to -15 maximum	ASTM D792
Specific Gravity		1.2 maximum	ASTM D792
Hardness	Shore D	40-60	ASTM D2240
Low Temperature Flexibility 4 hrs @ -55°C		No cracking	ASTM D2671
Heat Resistance 168 h @150°C followed by Ult. Elongation	Percent	350 minimum	ASTM D2671
<b>ELECTRICAL</b>			
Dielectric Strength	V/mil (kV/cm)	300 minimum (120)	ASTM D149
Dielectric Withstand 2200 V for 1 minute	Volt/Minute	No Breakdown	UL 486D
Volume Resistivity	Ohm-cm	1 X 10 <sup>12</sup> minimum	ASTM D257
<b>CHEMICAL</b>			
Fluid Resistance 168 hrs @ 23°C Immersion in VDE 0370 oil followed by tests for:			ASTM D2671
Tensile Strength	PSI	80% of original minimum	
Elongation	Percent	80% of original minimum	
Corrosive Effect 16 hrs @ 150°C		Non Corrosive	ASTM D2671, Proc. A
Water Absorption 24 hrs @ 23°C	Percent	0.10 maximum	ASTM D570
<b>ADHESIVE</b>			
Softening point	°C	90+/-10	ASTM E28
Adhesive Peel Strength - Tubing to copper - Tubing to polyethylene	PLI PLI	10 minimum 10 minimum	ASTM DI000
Adhesive shear - AL to AL	PSI	150 minimum	ASTM D1002
Water absorption	Percent	0.5 maximum	ASTM D570
Corrosive Effect 16 hrs @ 121°C		Non Corrosive	ASTM D2671 See 79, Proc, A

Rev. Date: 15-Apr-11	Rev.: D1	Document No. <b>RHW</b>	Sheet: 2 of 2
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