

**RMW**  
Heat-Shrinkable, Medium Wall, Polyolefin Tubing



**Table 1: Dimensions**

Size	Minimum Expanded I.D. (D)		Maximum Expanded I.D. (d)		Nominal Recovered Jacket Wall (W minus W1)		Nominal Recovered Adhesive Wall (W1)	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.
10/3	.394	10	.118	3	.039	1.0	.010	.25
16/5	.630	16	.197	5	.055	1.4	.012	.30
25/8	.984	25	.315	8	.079	2.0	.014	.35
35/12	1.378	35	.472	12	.079	2.0	.014	.35
50/16	1.968	50	.630	16	.079	2.0	.014	.35
63/19	2.480	63	.748	19	.095	2.4	.016	.40
75/22	2.953	75	.866	22	.106	2.7	.016	.40
85/25	3.346	85	.984	25	.110	2.8	.016	.40
95/29	3.740	95	1.142	29	.122	3.1	.018	.45
115/34	4.527	115	1.339	34	.122	3.1	.018	.45
140/42	5.512	140	1.654	42	.122	3.1	.018	.45
160/50	6.300	160	1.968	50	.126	3.2	.020	.50
180/60	7.087	180	2.362	60	.126	3.2	.020	.50
245/80*	9.646	245	3.150	80	.095	2.4	N/A	N/A
285/135*	11.220	285	5.315	135	.055	1.4	N/A	N/A

\* Uncoated Only

**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.


**Color:** Black

**Note:** Available with adhesive coating as well as uncoated. Sizes indicated with \* in Table 1 are available only as uncoated.

Raychem Tubing

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**CUSTOMER DRAWING**

		TE Connectivity 305 Constitution Drive Menlo Park, CA 94025 USA		Title: <b>RMW</b> <b>Heat-Shrinkable, Medium Wall,</b> <b>Polyolefin Tubing</b>			
		TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for the application		Document No : <b>RMW</b>			
Cage Code: 06090	Scale: None	Size: A	Rev. Date: 30-Apr-13	Rev.: D	Sheet: 1 of 2		

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**CUSTOMER DRAWING**

**Table 2: Properties**

<b>Property</b>	<b>Unit</b>	<b>Requirement</b>	<b>Test Method</b>
Dimensions	Inch (mm)	Table 1	ASTM D2671
Tensile Strength	psi (MPa)	1750 minimum (12)	ASTM D2671
Ultimate Elongation	Percent	350 minimum	ASTM D2671
Longitudinal Change	Percent	+5 to -15 maximum	ASTM D2671
Specific Gravity		1.2 maximum	ASTM D792
Hardness	Shore D	40 - 60	ASTM D2240
Low Temperature Flexibility 4 hrs @ -40°C		No cracking	ASTM D2671
Heat Resistance 168 h @150°C followed by Ultimate Elongation	Percent	350 minimum	ASTM D2671
Fungus Growth		Rating of 1 or less	ASTM G21
<b>ELECTRICAL</b>			
Dielectric Strength	V/mil (kV/cm)	300 minimum (120)	ASTM D149
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:			
Tensile Strength	psi	1450 minimum (10)	ASTM D2671
Ultimate Elongation	Percent	300 minimum	
Corrosive Effect 16 hrs @ 150°C		Noncorrosive	ASTM D2671, Proc. A
Water Absorption 24 hrs @ 23°C	Percent	0.50 maximum	ASTM D570

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