

**TUGA-GP**

**Shiny, Non-Flame-Retardant, Polyolefin Tubing**

**Product Facts**

- 2:1 shrink ratio
- Can be easily hot-stamped
- Bright, shiny surface
- Semiflexible, non-flame-retardant, halogen-free
- Conforms to substrates more uniformly and with less longitudinal change than most PVC-based materials
- RoHS compliant



**Applications**

TUGA-GP is a commercial grade tubing for general applications where a flame-retardant product is not needed but where electrical insulation and mechanical performance are important. TUGA-GP makes an attractive covering for many automotive, appliance, and consumer-goods applications.

**Installation**

Minimum shrink temperature: 85°C [85°F]  
Minimum full recovery temperature: 110°C [230°F]

**Operating Temperature Range**

-55°C to 125°C  
[-67°F to 257°F]

**Specifications/Approvals**

<b>Series</b>	<b>Raychem</b>
TUGA-GP	RW-2201

<b>Available in:</b>	<b>Americas</b>	<b>Europe</b>	<b>Asia Pacific</b>
		■	

**TUGA-GP** (Continued)

**Product Dimensions**

Size	Inside Diameter		Wall Thickness*
	Minimum Expanded as Supplied	Maximum Recovered After Heating	Nominal After Heating
1.2/0.6	1.2 [0.046]	0.6 [0.023]	0.4 [0.016]
1.6/0.8	1.6 [0.062]	0.8 [0.031]	0.4 [0.016]
2.4/1.2	2.4 [0.093]	1.2 [0.046]	0.5 [0.019]
3/1.5	3.0 [0.118]	1.5 [0.059]	0.5 [0.019]
5/2.5	5.0 [0.197]	2.5 [0.098]	0.5 [0.019]
6.4/32	6.4 [0.250]	3.2 [0.125]	0.6 [0.024]
8/4	8.0 [0.315]	4.0 [0.157]	0.6 [0.024]
9.5/4.8	9.5 [0.375]	4.8 [0.187]	0.6 [0.024]
11/5.5	11.0 [0.433]	5.5 [0.217]	0.6 [0.024]
12.7/6.4	12.7 [0.500]	6.4 [0.250]	0.6 [0.024]
15/7.5	15.0 [0.591]	7.5 [0.295]	0.8 [0.031]
20/10	20.0 [0.787]	10.0 [0.394]	0.8 [0.031]
25.4/12.7	25.4 [1.000]	12.7 [0.500]	0.9 [0.035]
38/19	38.0 [1.496]	19.0 [0.748]	1.0 [0.039]

\*Wall thickness will be less if tubing recovery is restricted during shrinkage.

**Ordering Information**

Color	Standard	Black (-0)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes available upon request.	
Standard packaging	On spools.	
Ordering description	Specify product name, size and color (for example, TUGA 3/1.5-0).	