

Fax-on-Demand: (800) 260-9099
(650) 361-6523

Before ordering check with factory for most current data.

TFE and TFE-R

High-temperature, chemically inert, modified Teflon tubing

Applications

Designed to provide insulation and mechanical protection in severe chemical and thermal environments. Used to cover hydraulic hose and couplings to prevent contamination and corrosion. The high mechanical strength and extremely low coefficient of friction make it ideal for reducing damage to bearing shafts and similar applications.

Operating Temperature Range

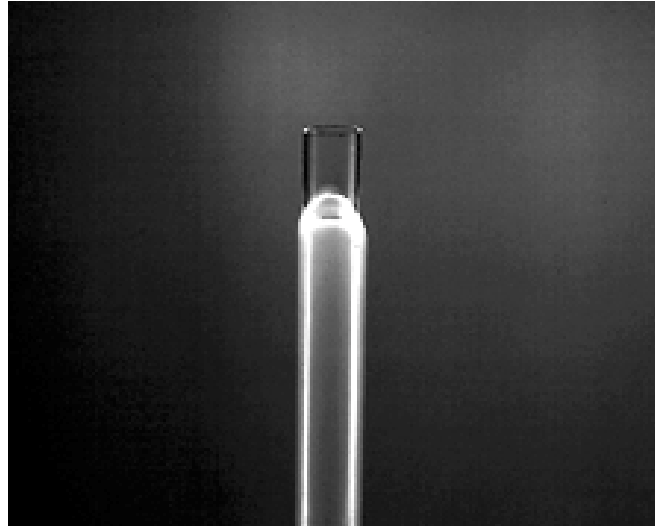
-67°C to 250°C

Features/Benefits

- Shrink ratio : 1.8:1 (TFE)
3.2:1 (TFE-R)
- High flame-resistance.
- Excellent chemical resistance.

Installation

Minimum full recovery temperature: 340°C



Specifications/Approvals

Series	Military	Raychem
TFE, TFE-R	MIL-DTL-23053/12* Def. Stan. 59-97 Type 5B (TFE) Def. Stan. 59-97 Type 5B (TFE-R)	RW-2055 (TFE) RW-2054 (TFE-R)

*Formerly MIL-I-23053/12.

Product Dimensions (mm)

Size	Inside diameter				Wall thickness				
	Minimum expanded as supplied		Maximum recovered after heating		Recovered after heating (nom.)**				
TFE	TFE-R	TFE	TFE-R	TFE	TFE-R	TFE	TFE-R	TFE	TFE-R
30	5/64	0.8	2.0	0.38	0.6	0.23	0.23		
28	1/8	0.9	3.2	0.46	1.0	0.23	0.25		
26	1/4	1.1	6.4	0.56	1.6	0.25	0.30		
24	3/8	1.2	9.5	0.68	2.4	0.25	0.30		
22	1/2	1.4	12.7	0.81	3.7	0.30	0.38		
20	5/8	1.5	15.9	0.99	4.5	0.30	0.38		
18	3/4	1.9	19.0	1.24	5.7	0.30	0.38		
16	1	2.3	25.4	1.55	7.1	0.30	0.38		
14	1 1/4	3.0	32.0	1.83	8.8	0.30	0.38		
12		3.8	—	2.26	—	0.30	—		
10		4.8	—	2.84	—	0.30	—		
8		6.1	—	3.58	—	0.38	—		
6		7.6	—	4.52	—	0.38	—		
4		9.4	—	5.69	—	0.38	—		
2		10.9	—	7.06	—	0.38	—		
0		11.9	—	8.81	—	0.38	—		

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

Ordering Information

Color	Standard	Clear (-X)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.	
Standard packaging	In 1.2-meter (4-foot) lengths.	
Ordering description	Specify product name, size, and color (for example, TFE-22-X).	

Teflon is a trademark of E. I. du Pont de Nemours and Company.

Users should independently evaluate the suitability of the product for their application.