

PTFE Series 4:1

High Temperature Heat Shrink Tubing

multicomp PRO



Features:

- Natural translucent PTFE 4:1 heat shrink tubing to MIL-1-23053/12 class 3, AMS3584 when heated to 327°C
- Non-flammable to ASTM D876
- Ideal for covering rollers, heaters, probes, high temperature terminals etc
- Good electrical, high temperature and chemical resistance and corrosion properties

Specifications:

Property	Test Method	Value
Physical		
Tensile	psi minimum	ASTM D638
Elongation	% minimum	
Specific Gravity		2.11 - 2.19
Low Temperature Flex		No cracking
Coefficient of Friction		0.1
Flexural Modules	psi × 10 ³	ASTM D798
Impact Strength	ft.lb / in	ASTM D258
Heat Deflection Temperature	66 psi °F	ASTM D648
Electrical		
Dielectric Strength	Volts / mm	ASTM D876
Volume Resistivity	Ω-cm	
Dielectric Constant		ASTM D150
Chemical		
Water Absorption	% maximum	ASTM D570
Corrosion (copper contact)		MIL-1-23053
Flammability		ASTM D876
Fluid Resistance		MIL-1-23053
Operating Temperature	°C	-

Specifications Table

Ordering Size	Min. Expansion Inches (mm)	Max. Recovered	Nominal Recovered Wall	Shrunk (mm)	Longitudinal Change Rate	Length (m)	Part Number
5/64	0.078 (1.981)	0.025	0.009	0.5	±10% max.	1.2	STFE4 2.0 CLR
1/8	0.125 (3.175)	0.037	0.01	0.8			STFE4 3.2 CLR

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 Element14.com/multicomp-pro

multicomp PRO

PTFE Series 4:1

High Temperature Heat Shrink Tubing

multicomp PRO

Ordering Size	Min. Expansion Inches (mm)	Max. Recovered	Nominal Recovered Wall	Shrunk (mm)	Longitudinal Change Rate	Length (m)	Part Number
3/16	0.187 (4.75)	0.05	0.012	1.2	±10% max.	1.2	STFE4 4.8 CLR
1/4	0.25 (6.35)	0.063		1.3			STFE4 6.4 CLR
3/8	0.375 (9.525)	0.096		2.4			STFE4 9.5 CLR
1/2	0.5 (12.7)	0.144	0.015	3.2			STFE4 12.7 CLR
3/4	0.75 (19.05)	0.224		4.8			STFE4 19.0 CLR
1	1 (25.4)	0.278		6.3			STFE4 25.4 CLR

Dimensions : Inches (Millimetres) (Unless Specified)

Shelf life and storage conditions for PTFE-products

With the following instructions, we want to provide storage guidelines to our customers. The present values and statements are recommendations, which have proven themselves in practice. There cannot be given any guarantee. PTFE has a very high chemical resistance, does not absorb water, and has a high resistance against aging.

Storage conditions of PTFE-products:

- Storage temperature, not below – 30 °C, not above + 40°C
- Humidity less than 70%
- Protect from direct UV- and energy-radiation
- Outdoor storage is not recommended
- Indoor storage, slightly ventilate
- Store in dry shelves, storage boxes, etc.
- Store in relaxed condition at a compression-free state and without any deformations.
- Avoid mechanical load and mechanical damage
- Rodent protection
- Plastics are very susceptible to scratches. Scratches can cause breaks because of the notch effect
- Dimensional inspection is recommended immediately after receiving the products
- Check dimensions only at standard room temperature (+23 °C ±2 °C)
- Changes in temperatures can stretch or shrink the plastic and can affect the dimensions
- Use the first-in-first-out method (FIFO)
- Don't throw, pour, or drop cold plastics

Guideline for storage time: PTFE = unlimited

For long-term storage, we recommend you, keep the finished parts in the closed package at constant conditions (+23°C/50% room humidity). During the storage time, dimensional changes are possible, caused by relaxation. All statements are non-binding. An acceptance of the guarantee and/or an extension of the warranty period is not given hereby.

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 Element14.com/multicomp-pro

multicomp PRO