PTFE Series 4:1 High Temperature Heat Shrink Tubing Pro-Power



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 ASTMD876
- · Ideal for covering rollers, heaters, probes, high temperature terminals etc
- · Good electrical, high temperature and chemical resistance and corrosion properties

Property		Test Method	Value				
Physical							
Tensile psi minimum		ASTM D638	2,500 - 4,000				
Elongation	% minimum	ASTIM D036	225 - 450				
Specific Gravity		ASTM D792	2.11 - 2.19				
Low Temperature Flex		MIL-1-23053	No cracking				
Coefficient of Friction		-	0.1				
Flexural Modules	psi × 10 ³	ASTM D798	50 - 90				
Impact Strength	ft.lb / in	ASTM D258	3				
Heat Deflection Temperature 66 psi °F		ASTM D648	252				
Electrical							
Dielectric Strength	Volts / mm	ASTM D876	1,400 (35 kV / mm) min.				
Volume Resistivity	Ω-cm	ASTIM Doro	10 ¹⁸				
Dielectric Constant	ric Constant		2.05 ±0.05				
Chemical							
Water Absorption % maximum		ASTM D570	0.01				
Corrosion (copper contact)		MIL-1-23053	Non-corrosive				
Flammability		ASTM D876	Non-burning				
Fluid Resistance		MIL-1-23053	No change in properties				
Operating Temperature	°C	-	-67 to +250				

Specifications:

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	±10% max.		STFE4 3.2 CLR

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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	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	1100/		STFE4 9.5 CLR
1/2	0.5 (12.7)	0.144		3.2	±10% max.	1.2	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)

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