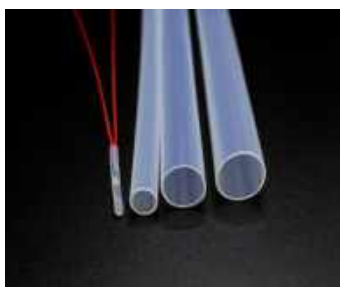
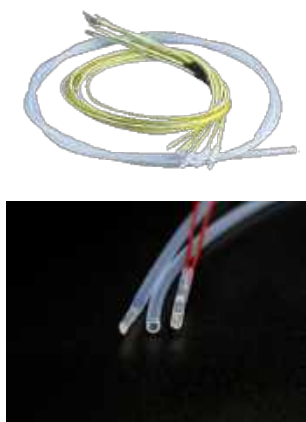


PTFE/FEP DUAL WALL HEAT SHRINK TUBING

GD-PTFE/FEP

Overview

Name	Fire Resistance Rating	Application	Shrink Temperature	Working Temperature
GD-PTFE /FEP	VW-1 UL&C-UL No: E515658	Military industry, electrical and electronic, high-speed rail, transportation, new energy vehicles, nuclear power, aerospace, and medical.	Initial shrinking temperature: 380°C	-60°C to 200°C
			Finished shrinking temperature: 450°C	



Key Properties:

- Shrinking Ratio: 1.7:1 & 2:1
- High environmental protection level.
- Compliant with ROHS, REACH, and FDA requirements.
- Great chemical resistance.
- High flame resistance, meets VW-1 requirements.
- High sealing performance.

Specifications

Item	Test Method	Value
Density (g/cm ³)	ASTM D792	2.16
Tensile Strength (MPa)	ASTM D638	24.5
Elongation at Break (%)	ASTM D638	350
Flexural Strength (MPa)	ASTM D790	490
Impact Strength	ASTM D256+23°C-54°C J/m	-No Break- 107
Hardness (Shore D)	ASTM D2240	55
Dynamic Coefficient of Friction	— —	0.1
Melting Point (°C)	— —	327
Working Temperature 20000h with 50% Retention of Ultimate Elongation (°C)	— —	200
Fire Resistance Rating	UL-224	VW-1
Dielectric Constant at 10 ³ -10 ⁶ Hz)	ASTM D150	2.1
Dissipation Factor at 10 ⁶ Hz	ASTM D150	0.0002
Arc Resistance (S)	ASTM D495 (Stainless Steel Electrodes)	>300
Volume Resistivity (Ω·cm)	ASTM D257	>10 ¹⁸
Weather Resistance	"Weather-O-Meter" (2000h)	No cracking
Solvent Resistance	ASTM D543	Excellent
Chemical Resistance	ASTM D543	Excellent

● Standard Size (Ratio 1.7:1&2:1)

Size	ID before Shrinking(mm)	Wall Thickness before Shrinking(mm)	ID after Shrinking(mm)	Wall Thickness after Shrinking(mm)
Outer Layer Φ 3.5	3.5±0.3	0.17±0.05	≤2.0	0.30±0.05
Inner Layer Φ 2.5	2.5±0.1	0.5±0.05	Melt	Melt
Outer Layer Φ 4.0	4.0±0.3	0.17±0.05	≤2.2	0.30±0.05
Inner Layer Φ 3.0	3.0±0.1	0.5±0.05	Melt	Melt
Outer Layer Φ 5.0	5.0±0.3	0.17±0.05	≤3.0	0.30±0.05
Inner Layer Φ 4.0	4.0±0.1	0.5±0.05	Melt	Melt

Custom sizes and specifications beyond the list are available on request.



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