S10 Fluoropolymer Heat Shrinkable Tubing

Features

- Cross-linked fluoropolymer compound
- Excellent high and low temperature resistance
- Very flexible, highly flame-retardant
- Excellent resistance to oil, diesel and hydraulic fluids
- Excellent abrasion and radiation resistance
- Operating temperature: -65~200°C
- Shrink temperature:220°C
- Shrink Ratio : 2:1
- RoHS and REACH compliant

Standards

- SAE AMS-DTL-23053/13

Dimensions

Reference UPM S10	As supplied(mm) ID min.	After recovered(mm) ID max.	WT nom.	Standard length m/spool
2.4	2.4	1.2	0.30±0.08	200
3.2	3.2	1.6	0.33±0.08	100
4.8	4.8	2.4	0.36±0.10	100
6.4	6.4	3.2	0.41±0.10	100
9.5	9.5	4.8	0.48±0.10	100
12.7	12.7	6.4	0.48±0.10	100
19.1	19.1	9.5	0.69±0.10	50
25.4	25.4	12.7	0.79±0.10	50
38.1	38.1	19.1	0.94±0.10	30
50.8	50.8	25.4	1.02±0.10	30

- ID=Internal Diameter
- WT= Wall Thickness

Technical Data

Property		Test Method	Values
Physical	Longitudinal shrinkage	ASTM D 2671	≤5%
	Tensile strength	ASTM D 2671	≥12 MPa
	Breakdown elongation	ASTM D 2671	≥400%
Aging (250℃/168hrs)	Tensile strength	ASTM D 2671	≥10 MPa
	Breakdown elongation	ASTM D 2671	≥300%
	Heat shock(300℃/4hrs)	ASTM D 2671	No cracking
	Low temperature flexibility(-55℃/4hrs)	ASTM D 2671	No cracking
Electrical	Dielectric voltage withstand	ASTM D 2671	2500V,60s No breakdown
	Volume resistivity	ASTM D 2671	≥10^8Ω.cm
	Dielectric strength	ASTM D2671	≥12 KV/mm
Chemical	Flammability	ASTM D2671	Self-extinguish in 15s
	Copper corrosion	ASTM D2671	No corrosion
Fluids resistance (23℃/24hrs)	Breakdown elongation	ASTM D2671	≥400%
	Dielectric strength	ASTM D2671	≥12 KV/mm

Typical application

- Suitable for commercial and military applications requiring heat resistance and chemically exposed environments
- Especially used for applications requiring high resistance to corrosive fluids,fuels,lubricants,acids and solvents to prevent wire harness,cables and appliances at elevated temperatures.

Ordering

- Standard color : Black
- Standard packaging on spools
- Please specify specification,quantity when ordering

Cross reference

- Raychem/Tyco : VITON

UNION POLYMER INTERNATIONAL
Specializing in Heat Shrink Technologies

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