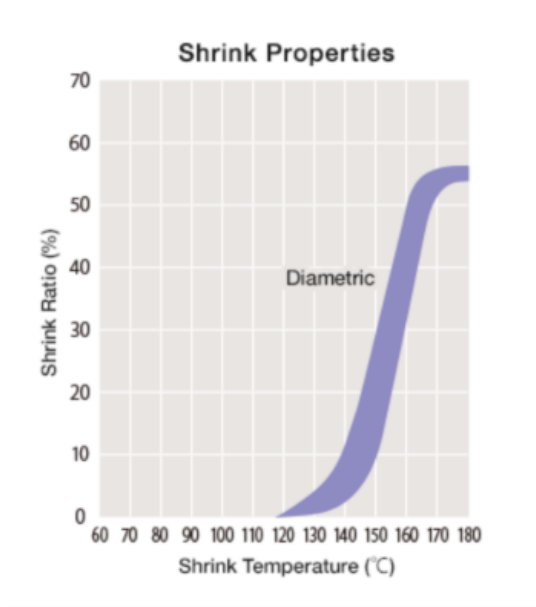




ENGLISH

Datasheet

RS Pro PVDF High Temperature Heat Shrink Tubing, 2:1 Shrink Ratio



Basic Properties	
Category	Heat-shrinkable tubing
Material	Irradiated cross-linked semi-rigid flame-retarded PVDF
Flammability	Flame Retarded
Shrink temperature	min. 170°C
Shrink ratio	min. 50%
Longitudinal change	0 ±10%
Continuous operating temperature	-55 to 175°C
Specifications/Approvals	SAE-AMS-DTL-23053/8
	UL224
	Rating temperature: 150°C Rating voltage: 600V Flammability: VW-1
	CSA C22.2 No. 198.1
	File No. LR33298 Rating temperature: 150°C Rating voltage: 600V
	Flammability: VW-1
	Electrical Appliance and Material Safety Law (Japan)
	Flammability rating (-F-) test registration No.: F-ST3-017 to F-ST3-020
Marking on Surface	—
Available colors	Black, Red, Green, Blue, White, Clear
Flexibility	Semi-rigid
Environmental Compliance	RoHS,ELV
Industry	Automotive, Military / Aerospace, Construction machinery, Industrial machinery, Electronics

Oil/Chemical resistance (room temperature)					
Gasoline	Gas oil	Lubricant	Alcohol	Acid	Alkali
⊙	⊙	⊙	⊙	⊙	⊙
⊙ : Very good ○ : Good △ : Not applicable in some cases					

Properties	Items	Requirements	Typical values*
Mechanical	Tensile strength (before aging)	min. 34.5MPa	41.0MPa
	Elongation (before aging)	min. 150%	405%
	Elongation (after aging)	250°C x 7 days, min. 50%	357%
	Low temperature flexibility	-55°C x 4 hours, no crack	Pass
	Heat shock	300°C x 4 hours, no crack	Pass
	Specific gravity	max. 1.80	1.75
Electrical	Dielectric strength	min. 31.5kV/mm (for 1/2 inch and smaller) min. 23.6kV/mm (for over 1/2 inch)	43.6kV/mm 31.4kV/mm
	Volume resistivity	min. $1.0 \times 10^{13} \Omega \cdot \text{cm}$	$3.8 \times 10^{15} \Omega \cdot \text{cm}$
	Transparent stability	175°C x 24 hours, no change	Pass
Chemical	Fluid resistance	After immersion at 24°C x 24 hours,	
	Tensile strength	min. 34.5MPa	38.1MPa
	Dielectric strength	min. 19.7kV/mm	28.6kV/mm
	Flammability	Flame-retarded, pass VW-1	Pass

* For reference use only

Sizes					
Nominal size (inch)	Supplied ID (mm)		Recovered ID (mm)		Unit length (min.)(m)
	Inside diameter (min.)	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness	
3/64	1.2	0.1	0.6	0.25±0.05	1.22
1/16	1.6	0.1	0.8	0.25±0.05	1.22
3/32	2.4	0.12	1.2	0.27±0.04	1.22
1/8	3.2	0.12	1.6	0.27±0.04	1.22
3/16	4.8	0.12	2.4	0.27±0.04	1.22
1/4	6.4	0.14	3.2	0.33±0.05	1.22
3/8	9.5	0.14	4.8	0.33±0.05	1.22
1/2	12.7	0.14	6.4	0.33±0.05	1.22
3/4	19.1	0.18	9.5	0.43±0.07	1.22
1	25.4	0.2	12.7	0.48±0.07	1.22