

Heat Shrink Tubings

RKT Series



Description

It is an extremely tough, high temperature, thin wall insulation tubing. This transparent non-burning, semi-rigid tubing has superior resistance to most industrial fuels, solvents and chemicals. Designed for applications requiring strain relief at temperatures up to 175°C, this product is unusually tough in its resistance to abrasion and cut-through. Typical applications include high temperature applications, protection, strain relief, chemical resistance, mechanical and abrasion protection.

Features

- High temperature and fluid resistant, extra tough, semi-rigid heat-shrinkable tubing
- Excellent chemical resistance, excellent abrasion resistance, 2:1 shrink ratio

Specifications

Operating Temperature Range : -55°C to +175°C
 Min. Shrink Temperature : +155°C
 Min. Full Recovery Temperature : +175°C

Dielectric Strength

Sizes 3/64 through 1/2 Volts/mm 31,500 minimum (USA Volts/mil) (800)
 Sizes 3/4 through 2 Volts/mm 23,600 minimum USA Volts/mil (600)

Performance

Test	Test Method	Test Requirement
Heat Ageing	IEC 60684 - 2 Clause 39 (168 Hours at 200°C)	Minimum Tensile Strength : 15 MPa Minimum Elongation : 75%
Corrosion Resistance	IEC 60684 - 2 Clause 33 (16 Hours at 175°C)	No Corrosion of Mirrors
Breakdown Voltage	IEC 60684 - 2 Clause 21	-
Maximum Flame Propagation	IEC 60684 - 2 Clause 26 Method C	15 s UL224 VW1
Fluid Resistance	IEC 60684 - 2 Clause 36	Minimum Tensile Strength : 25 MPa Minimum Ultimate Elongation : 150%
	Test Fluids	Aircraft Fuel to ISO1817 Liquid F (70°C) Phosphate Ester ISO1817 Liquid 103 (23°C) Lubricating Oil ISO1817 Liquid 101 (70°C)



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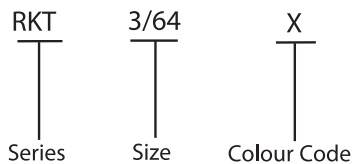
Diagram



Specification Table

Size (Inches)	Inside Diameter		Wall Thickness	Length (m)	Part Number
	Minimum Expanded as Supplied (D) (mm)	Maximum Recovered After Heating (d) (mm)	Nominal Recovered After Heating (W) (mm)		
3/64	1.2	0.6	0.25	1.2	RKT-3/64-X-4FT
1/16	1.6	0.8			RKT-1/16-X-4FT
3/32	2.4	1.2	0.27		RKT-3/32-X-4FT
1/8	3.2	1.6			RKT-1/8-X-4FT
3/16	4.8	2.4	0.33		RKT-3/16-X-4FT
1/4	6.4	3.2			RKT-1/4-X-4FT
3/8	9.5	4.8			RKT-3/8-X-4FT
1/2	12.7	6.4			RKT-1/2-X-4FT
3/4	19	9.5	0.43		RKT-3/4-X-4FT
1	25.4	12.7	0.48		RKT-1-X-4FT

Part Number Explanation



Colour Code : X = Clear

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