



ENGLISH

## Datasheet

# RS 38mm Black Heat Shrink Tubing 2:1, 30cm Length

RS Stock 417-7312



## Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)	min. 10.4MPa	13.4MPa
	Elongation (before aging)	min. 200%	410%
	Elongation (after aging)	175°C x 7 days, min. 100%	410%
	Low temperature flexibility	-55°C x 4 hours, no crack	pass
	Heat shock	250°C x 4 hours, no crack	pass
	Gravity	max. 1.35	1.32
Electrical	Dielectric strength	min. 19.7kV/mm	37.1kV/mm
	Volume resistivity	min. $1.0 \times 10^{14} \Omega\text{-cm}$	$3.1 \times 10^{15} \Omega\text{-cm}$
Chemical	Water absorption	23°C x 24 hours, max. 0.50%	0.28%
	Corrosion against bare copper	175°C x 16 hours, no corrosion	pass
	Colour stability	175°C x 24 hours, no change	pass
	Fluid resistance	After immerced at 24°C x 24 hours,	
	Tensile strength	min. 6.9MPa	13.1MPa
	Dielectric strength	min. 15.8kV/mm	30.5kV/mm
	Flammability	Flame-retardant, pass VW-1	pass



## Specification

### ■ Basic Properties

- (1) Materials : Irradiated cross-linked flexible polyolefin
- (2) Shrink temperature : min. 90°C
- (3) Shrink Ratio : Radial change: min. 50%  
Longitudinal change: 0 +/- 5%
- (4) Continuous Operating Temperature : -55 to 135°C

### ■ Features

- (1) SAE-AMS/UL/CSA approved
- (2) Flame-retardant
- (3) Flexible
- (4) Bright colour

### ■ Specification

- Rating temperature: 125°C  
Rating voltage: 600V  
Rating temperature: 125°C  
Rating voltage: 600V  
Flammability: VW-1

### ■ Application

- (1) Insulation, protection and reinforcement for termination and joints of electric wire
- (2) Colour identification and bundling for electric wires
- (3) Insulation and protection for resistor and condenser