

# Heat Shrink

Eland Product Group **FCA**

## Application

Heat shrink tubing is used on wiring assemblies, splices, terminals, connectors and to moisture proof electrical parts. The product has excellent properties of insulation, abrasion resistance and environmental protection.

## Standards

UL224 105°C, CSA C22.2 No 198.1 OFT, MIL-DTL-23053/5/1

## Shrink Ratio

2:1



## Dimensions

Eland Part Number	Minimum ID supplied mm	Maximum ID Recovered mm	Recovered Wall Thickness mm
FHS 1.2	1.2	0.6	0.41
FHS 1.6	1.6	0.8	0.43
FHS 2.4	2.4	1.2	0.51
FHS 3.2	3.2	1.6	0.51
FHS 4.8	4.8	2.4	0.51
FHS 6.4	6.4	3.2	0.65
FHS 9.5	9.5	4.7	0.65
FHS 12.7	12.7	6.4	0.65
FHS 19.1	19.1	9.5	0.77
FHS 25.4	25.4	12.7	0.89
FHS 38.1	38.1	19.1	1.00
FHS 50.8	50.8	25.4	1.10
FHS 76.2	76.2	38.1	1.30
FHS 101.6	101.6	50.8	1.40

Properties	Test Method	Typical Value
------------	-------------	---------------

### Physical

Tensile Strength	ASTM D 638	13 N/mm <sup>2</sup>
Elongation at Break	ASTM D 638	400%
Longitudinal Change	ASTM D 2671	+5%, -10%
Water Absorption	ASTM D 570	0.15%
Specific Gravity	ASTM D 792	1.35

### Thermal

Continuous Operating Temperature		-55°C to +125°C
Minimum Shrink Temperature		<100°C
Heat Shock 4 hours at 250°C	ASTM D 2671	No dripping, cracking or flowing
Heat Ageing 168 hours at 175°C	ASTM D 638	Elongation 250%
Low Temperature Flexibility -55°C	ASTM D 2671C	No cracking
Flammability	UL 224	Pass (colours only)

### Chemical

Fungus Resistance	MIL-DTL-7444	Inert
Fluid Resistance	MIL-DTL-23053/5	Good
Copper Corrosion	ASTM D 2671B	Good

### Electrical

Dielectric Strength	ASTM D 2671	20 kV / mm
Volume Resistivity	ASTM D 257	1014 ohm.cm