

EHS-D2 Heat shrink diesel resistant 2:1

EHS-D2 is a diesel and fuel resistant heat shrinkable elastomer tubing specially formulated for high temperature fluid resistance and long-term heat resistance.

It is resistant to aviation and diesel fuels, hydraulic fluids and lubricating oils.

Used as a jacketing material for protecting high performance cables and wiring harnesses in demanding environments found in military, aviation and automotive sectors.



Ordering information

Part number - Spools	Expanded Diameter	Recovered Diameter	Recovered Wall Thickness	Pack Size (Metres)
EHS-D2-003.2-0-SP	3.2	1.6	0.76	100
EHS-D2-004.8-0-SP	4.8	2.4	0.84	100
EHS-D2-006.4-0-SP	6.4	3.2	0.89	100
EHS-D2-009.5-0-SP	9.5	4.8	1.02	50
EHS-D2-012.7-0-SP	12.7	6.4	1.22	30
EHS-D2-019.1-0-SP	19.1	9.5	1.45	30
EHS-D2-025.4-0-SP	25.4	12.7	1.78	30
EHS-D2-038.1-0-SP	38.1	19.1	2.41	25
EHS-D2-050.8-0-SP	50.8	25.4	2.79	25
EHS-D2-076.2-0-SP	76.2	38.1	3.18	25

*All dimensions in mm

Standard Colour Options

0

Black

Technical Datasheet



Material

Heat shrinkable elastomer tubing

Shrink Ratio 2:1

Temperature Ratings

Operating : -75°C to 110°C

Recovery : +150°C

Standards

UL224, 125°C VW-1

SAE-AMS-DTL-23053/16

Tensile Strength ≥ 12 N/mm² (ASTM D638)

Ultimate Elongation $\geq 400\%$ (ASTM D638)

Heat Ageing ≥ 8 MPa (ISO 188)

Elongation after Ageing

$\geq 220\%$ (ISO 188) (168 hours at +160°C)

Specific Gravity 1.47g/cm³ (ASTM D792)

Water Absorption $\leq 0.20\%$ (ASTM D570)

Copper Corrosion None (ASTM 2671B)

Heat Shock No dripping (ASTM D2671)
(4 hours at +215°C)

Flammability VW-1 Pass (UL224)

Volume Resistivity $10^{14}\Omega$ cm (ASTM D257)

Longitudinal Change $\leq 5\%$ (ASTM D2671)

Dielectric Strength > 15 kV/mm (IEC243)

Fluid Resistance (ISO 37)

Diesel Oil : 70°C for 24 hours

Hydraulic Fluid : 70°C for 24 hours

Lubricant : 100°C for 24 hours

Tensile Strength : ≥ 8 MPa

Ultimate Elongation : $\geq 300\%$

Fungus Resistance Inert, no growth
(AMS-DTL-7444)

Chemical Resistance

SAE-AMS-DTL-23053/16

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