

## ***DRET Heat-Shrinkable Tubing*** ***Diesel-resistant, Flexible,*** ***Elastomeric Polyolefin Tubing***

### **Application**

DRET is suitable for various insulation and strain relief applications. The abrasion resistant properties provide good protection for cable harnessing and wire bundling for military industries.

DRET has excellent retardance to fluid and solvent, such as lubricating oil, ground vehicle fuel, or hydraulic fluid. It also has excellent flame retardance and insulation properties.

### **Features**

- Flame Retarded
- Operating temperature range -75°C to +150°C
- Shrink ratio 2:1
- Flexible
- Abrasion resistant
- Chemical resistant



## TECHNICAL INFORMATION

### Specifications

Operating temperature range -75°C to +120°C

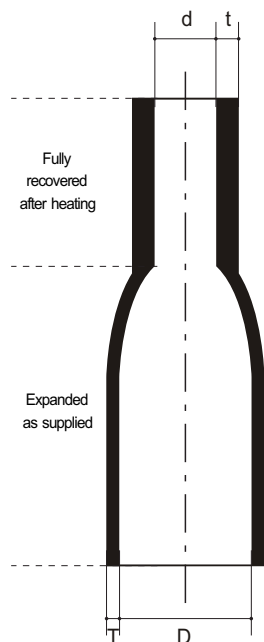
Flammability: ASTM D 2671 Procedure A, C

Minimum Shrink temperature: 120°C

Shrink ratio: 50% or more in radial direction

Standards MIL-I-23053/16

Properties		Values	Test Methods	
Physical	Density	Max, 1,50g/cm <sup>3</sup> @23°C	ASTM D 792	
	Unaged	Tensile strength	Min, 1,20kgf/cm <sup>2</sup>	ASTM D 412
		Elongation	Min, 250%	
		Tensile stress @100% Elongation	Max, 1,06kgf/cm <sup>2</sup>	
	Aged	Tensile strength	Min, 1,06kgf/cm <sup>2</sup>	
		Elongation	Min, 200%	150°C/168hrs
	Heat shock	Pass @200°Cx4hrs	MIL-I-23053	
	Low temperature flexibility	No crack @ -65°Cx4hrs	MIL-I-23053	
Electrical	Dielectric strength	Min, 11,9kV/mm	ASTM D 2671	
	Volume resistivity	Min, 1x10 <sup>10</sup> Ω-cm	ASTM D 876	
	Restricted shrinkage	No crack@ 2000x1min,	MIL-I-23053	
Chemical	Copper corrosion	No corrosion	121°C/16hrs	
	Copper mirror corrosion	No corrosion	135°C/16hrs	
	Fluid resistance	Tensile strength	Min, 1,06kgf/cm <sup>2</sup>	MIL-I-23053 23°C/24hrs
		Elongation	Min, 200%	
		Dielectric strength	Min, 7,9kV/mm	
	Flammability (Procedure A)	Pass	ASTM D 2671	
	Water absorption	Max, 2%	ASTM D 570	
	Fungus resistance	No growth	ASTM G 21	



Part Code	Description	Size of Diameter (Inch)	Inside Diameter (mm)		Wall Thickness (mm)		MOQ
			As supplied Min. D	After recovery Max. d	As supplied Nom. T	After recovery Min. t	
EH130-1050	DR-ET 1/8	1/8	3.2	1.57	0.45	0.7	10m
EH130-1055	DR-ET 3/16	3/16	4.8	2.36	0.45	0.75	10m
EH130-1060	DR-ET 1/4	1/4	6.4	3.6	0.45	0.89	10m
EH130-1065	DR-ET 3/8	3/8	9.6	5.4	0.5	1.01	10m
EH130-1070	DR-ET 1/2	1/2	12.7	7.3	0.6	1.21	10m
EH130-1075	DR-ET 3/4	3/4	19.1	10.9	0.7	1.44	10m
EH130-1080	DR-ET 1	1	25.4	14.5	0.85	1.77	10m
EH130-1085	DR-ET 1-1/2	1-1/2	38.1	21.8	1.1	2.41	10m
EH130-1090	DR-ET 2	2	50.8	29	1.3	2.79	10m

Standard Colour: Black