

# DR 150°C Diesel resistant elastomeric heat shrinkable tubing

150°C耐油熱收縮套管



## Applications

Made by flexible elastomeric material. Particularly suitable applied to resistance of diesel fuels, hydraulic fluids and lubrication oils, and chemical solvent. Specially properties of abrasion and high temperature resistance provide protecting cables, wiring harnesses in military vehicles.

## 應用

耐油橡膠熱縮套管，是由軟性橡膠材質製成，適合應用在耐油及化學溶劑的工作環境，抗摩擦及耐高溫的特性能對線束及電纜戶套提供保護。

## Characteristic

Shrinkage ratio 2:1

Resistance to oil, diesel and hydraulic fluids

Flame retardant, reliable abrasion property

Excellent chemical property

## 特性

收縮率 2:1

優異耐油、化學性能

阻燃、可靠的耐磨性能

## Operating temperature range

Operating temperature : -75°C ~ 150°C

Minimum shrink temperature : 150°C

Minimum fully recovery temperature : 175°C

## 操作溫度範圍

操作溫度：-75°C~150°C

最低收縮溫度：150°C

最低完全收縮溫度：175°C

## Approvals / Specifications    認證 / 規範

Conform to AMS-DTL-23053/16

## Product Dimensions    產品規格

Part Number 產品型號	Nominal Size 尺寸		As supplied (mm) 收縮前	After recovered (mm) 收縮後		Standard Length (Meter) 標準長度(米)
	Mm (毫米)	Inch (英吋)	I.D.(min)內徑	I.D. (max) 內徑	W.T.壁厚	
DR0032	3.2	1/8	3.2	1.6	0.76±0.15	100
DR0048	4.8	3/16	4.8	2.4	0.84±0.15	100
DR0064	6.4	1/4	6.4	3.2	0.89±0.15	100
DR0095	9.5	3/8	9.5	4.8	1.02±0.20	50
DR0127	12.7	1/2	12.7	6.4	1.22±0.20	50
DR0191	19.1	3/4	19.1	9.5	1.45±0.28	30
DR0254	25.4	1	25.4	12.7	1.78±0.28	30
DR0381	38.1	1 1/2	38.1	19.0	2.41±0.41	15
DR0508	50.8	2	50.8	25.4	2.79±0.41	22

### Technical Data

Property	Specification Requirement	Test Method	Typical Value
Tensile strength	11.7MPa min	ASTM D 638	≥ 14MPa
Elongation	200% min	ASTM D 638	≥ 350%
Heat shock 250hrs	No cracking, dripping or flowing	ASTM D 2671	Pass
Low temperature flexibility (-75°C 4hrs)	No cracking,	ASTM D 2671	Pass
Tensile strength after aging(150°C/168hrs)	10.3MPa min	ASTM D 638	≥ 12MPa
Elongation after aging(150°C/168hrs)	200% min	ASTM D 638	≥ 300%
Dielectric voltage withstand	2500V., 60sec, no breakdown	ASTM D 2671	Pass
Dielectric strength	11.9KV/mm min	ASTM D 2671	≥ 11.9KV/mm
Volume resistivity	10 <sup>9</sup> · cm min	ASTM D 876	≥ 10 <sup>9</sup> · cm min
Corrosion	No corrosion	ASTM D 2671	Pass
Flammability	Self extinguishing within 1 minute	ASTM D 2671	Pass
23°C, 24hrs (aviation and diesel fuels, hydraulic fluids, lubricating oils, etc.)			
Tensile strength	10.4MPa min	ASTM D 2671	≥ 12MPa
Elongation	200% min	ASTM D 2671	≥ 300%
Dielectric strength	7.9KV/mm min	ASTM D 2671	≥ 9.0KV/mm

### 技術性能

特性	標準	測試方法	結果
抗張強度	11.7MPa min	ASTM D 638	≥ 14MPa

伸長率	200% min	ASTM D 638	≥ 350%
熱衝擊 250hrs	No cracking, Dripping or flowing	ASTM D 2671	Pass
低溫柔軟性 -75°C 4hrs	No cracking,	ASTM D 2671	Pass
老化抗張強度	10.3MPa min	ASTM D 638	≥ 12MPa
老化伸長度	200% min	ASTM D 638	≥ 300%
絕緣耐壓	2500V., 60sec, no breakdown	ASTM D 2671	Pass
絕緣強度	11.9KV/mm min	ASTM D 2671	≥ 11.9KV/mm
體積電阻率	10 <sup>9</sup> · cm min	ASTM D 876	≥ 10 <sup>9</sup> · cm min
腐蝕性	No corrosion	ASTM D 2671	Pass
阻燃性	Self extinguishing within 1 minute	ASTM D 2671	Pass
23°C, 24hrs 抗液性			
抗張強度	10.4MPa min	ASTM D 2671	≥ 12MPa
伸長率	200% min	ASTM D 2671	≥ 300%
絕緣強度	7.9KV/mm min	ASTM D 2671	≥ 9.0KV/mm

Standard color : Black (Other colors ,special size, cut pieces are available on request.)

標準顏色：黑色 (其他顏色，其他尺寸，裁切可依客戶需求另行訂製)

