

# KeHong Enterprises Co.,Ltd.

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## DR-150

### Diesel-resistant, flexible, flame-retardant elastomer tubing



#### 1) Application

Resistance to aviation, diesel fuels, hydraulic fluids, and lubricating oils, DR-150 is ideal for applications require resistance to fuels, fluids and solvents. It is particularly suitable for protecting and bundling of high-performance cables and wiring harnesses.

#### 2) Features/Benefits

Shrink ratio: 2:1

Outstanding fluid and heat resistance.

Abrasion resistance, excellent mechanical properties.

Flexible, and self extinguish

Conform to European RoHS environmental directive.

#### 3) Operating Temperature Range

Operating temperature range: -75°C~150°C

Minimum full recovery temperature: 175°C

#### 4) Specifications/Standards

AMS-DTL-23053/16

#### 5) Specification values

	Property	Requirement	Test method	Typical value
Physical:	Tensile strength	11.7MPa min.	ASTM D 638	≥14MPa
	Elongation	250% min.	ASTM D 638	≥350%
	Heat shock 250°C, 4hrs	No cracking, dripping or flowing	ASTM D 2671	Pass

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	Low temperature flexibility -75°C, 4hrs	No cracking	ASTM D 2671	Pass
	Aging 150°C, 168hrs			
	Tensile strength after aging	10.3MPa min.	ASTM D 638	≥12MPa
	Elongation after aging	200% min.	ASTM D 638	≥300%
Electrical:	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> Ω·cm min.	ASTM D 876	≥10 <sup>9</sup> Ω·cm
Chemical:	Corrosion	No corrosion	ASTM D 2671	Pass
	Flammability	Self extinguishing within 1 minute	ASTM D 2671	Pass
Fluid resistance	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

## 6) Product sizes (mm/inch)

Size	Inside diameter		Wall thickness	Standard length (m/spool)
	As supplied (min.)	After recovery (max.)	After recovery	
1/8	3.2 (0.125)	1.6 (0.062)	0.76±0.15 (0.030±0.006)	100
3/16	4.8 (0.187)	2.4 (0.093)	0.84±0.15 (0.033±0.006)	100
1/4	6.4 (0.250)	3.2 (0.125)	0.89±0.15 (0.035±0.006)	100
3/8	9.5 (0.375)	4.8 (0.187)	1.02±0.20 (0.040±0.008)	50
1/2	12.7 (0.500)	6.4 (0.250)	1.22±0.20 (0.048±0.008)	30
3/4	19.1 (0.750)	9.5 (0.375)	1.45±0.28 (0.057±0.011)	30
1	25.4 (1.000)	12.7 (0.500)	1.78±0.28 (0.070±0.011)	30
1 1/2	38.1 (1.500)	19.0 (0.750)	2.41±0.41 (0.095±0.016)	15
2	50.8 (2.000)	25.4 (1.000)	2.79±0.41 (0.110±0.016)	22