

Hetta Shield™ K175

High Performance Heat Shrinkable Tubing



SUMMARY

Hetta Shield K175 series of high temperature rated heat shrinkable tubing are ideal for Automotive and Military electrical applications.

Hetta Shield K175 series thin wall tubes are highly flame retardant, and exhibits superior abrasion and cut-through resistance. Constructed with PVDF fluoropolymer, **Hetta Shield K175** are highly resistant to chemical and solvent degradation. It outperforms other tubing products in applications involving exposure to Diesel oils, and hydraulic fluids.

CONTACT

ESP
Insulated Products Division
(949) 420-2288
US-ESP.COM

PRODUCT HIGHLIGHTS

- Rating: 175°C / 600V
- Shrink Ratio: 2: 1
- High Abrasion and Cut Resistance
- High Chemical Resistance
- Long Term Resistance to Diesel, Hydraulic Fluids, Oils
- Thin Wall / Semi-Rigid
- Color: Clear
- RoHS Compliant
-

TECHNICAL SPECIFICATIONS

Material: Irradiation Cross-Linked PVDF
Voltage Rating: 600V AC
Temperature Rating: 175°C
Continuous Operating Temp: -55°C – 175°C
Shrink Temperature: 175°C
Flame Rating: Vertical Flame
Compliance: SAE-AMS-DTL-23053/18

MECHANICAL PERFORMANCE DATA

PROPERTY	TEST METHOD	NOMINAL
Tensile Strength	ASTM D2671	≥ 30 MPa
Elongation	ASTM D2671	≥ 150%
Tensile Strength (Aged)	@250°C / 168 Hrs	≥ 100% / Unaged
Elongation (Aged)	@250°C / 168 Hrs	≥ 50%
Cold Bend	-55°C / 4 Hrs	No Cracks
Heat Shock	300°C / 4 Hrs	No Cracks

ELECTRICAL PERFORMANCE DATA

PROPERTY	TEST METHOD	NOMINAL
Dielectric Strength	IEC 60093	≥ 20.0kV/mm
Volume Resistivity	IEC 60093	≥ 1 x 10 ¹⁴ Ω cm

QUALITY..

SERVICE..

INNOVATION..

An ESP Performance Product

Hetta Shield™ K175

High Performance Heat Shrinkable Tubing

Available Sizes

Size		Expanded (mm)	Recovered (mm)		Standard Package
Inch	mm	Internal Diameter	Internal Diameter	Wall Thickness	
3/64	1.2	1.2	0.6	0.25±0.10	200 M / Spool
1/16	1.6	1.6	0.8	0.25±0.10	200 M / Spool
3/32	2.4	2.4	1.2	0.25±0.10	200 M / Spool
1/8	3.2	3.2	1.6	0.25±0.10	200 M / Spool
3/16	4.8	4.8	2.4	0.25±0.10	100 M / Spool
1/4	6.4	6.4	3.2	0.30±0.10	100 M / Spool
3/8	9.5	9.5	4.8	0.30±0.10	50 M / Spool
1/2	12.7	12.7	6.4	0.30±0.10	50 M / Spool
3/4	19.0	19.1	9.5	0.42±0.10	50 M / Spool
1	25.4	25.4	12.7	0.50±0.10	50 M / Spool
1-1/2	38.1	38.1	19.0	0.50±0.10	50 M / Spool

QUALITY..

SERVICE..

INNOVATION..

An ESP Performance Product