



# PLK175

High temperature, fluid resistant polyvinylidene fluoride

- 2:1 Shrink Ratio
- Shrink Temperature >155°C
- Flame Retardant
- Excellent Abrasion Resistance
- Excellent Chemical Resistance
- Operating Temperature -55°C to +175°C

**PLK175 is a semi-rigid, polyvinylidene fluoride tubing offering superior cut-through and abrasion resistance. PLK175 is semi-rigid and has excellent resistance to most fuels, solvents and chemicals. PLK175 has a continuous operating temperature of 175°C and can easily withstand 350°C for short periods.**

## Technical Data

### General

Installation temperature 175°C  
 Longitudinal change +0% -10%

### Electrical

Dielectric strength Sizes 1/2" and below 25 kV/mm min  
 Sizes above 1/2" 20 kV/mm min

### Thermal

Heat ageing 168 hours at 200°C  
 4 hours at 300°C

Low temperature flexibility 4 hours at -55°C

### Flammability

Fire Hazard Duration of burning 15s maximum (ASTM D876)

### Chemical

Fluid resistance Resistant to the following fluids:  
 Aircraft fuel, ISO1817 test liquid F  
 Phosphate ester based to ISO 1817 test liquid 103  
 Lubricating oil ester based to ISO 1817 test liquid 101

### Specifications

UL224 E35586 VW-1  
 CSA LR31929  
 Def Stan 59-97 Type 3  
 AMS DTL-23053/8  
 VDE 0341/Pt9005  
 BS 3G 198 Pt4  
 VG 95343 Pt5 Type F  
 RoHS Compliant

Ordering Size (Inches)	Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Recovered Wall Thickness (mm)	Standard Spool Size (m)	Lengths Per Bag
3/64	1.20	0.60	0.25	300	50
1/16	1.60	0.80	0.25	300	50
3/32	2.40	1.20	0.27	300	50
1/8	3.20	1.60	0.27	150	50
3/16	4.80	2.40	0.27	150	50
1/4	6.40	3.20	0.33	300	25
3/8	9.50	4.80	0.33	N/A	25
1/2	12.70	6.40	0.33	N/A	25
3/4	19.00	9.50	0.43	N/A	25
1	25.40	13.70	0.48	N/A	25
1 1/2	38.10	19.10	0.51	N/A	15

Colours from stock: Transparent

Other colours to special order

Full details on technical specifications, test methods and values are available on request.

**PLAstronic®**  
 PMG Company