



PLF100

Superior grade, flame retardant polyolefin

- 2:1 Shrink Ratio
- Minimum Shrink Temperature >95°C
- Flame Retardant (colours only)
- Operating Temperature -55°C to +135°C
- Wide range of colours available

PLF100 is a general purpose, flexible polyolefin tubing suitable for a wide range of applications including military and professional electronics. Common applications include insulation, marking, strain relief and mechanical protection.

Technical Data

General

Installation temperature 120°C
 Longitudinal change +5% -5%

Electrical

Dielectric strength 20 kV/mm minimum

Thermal

Heat ageing 168 hours at 175°C
 4 hours at 250°C

Low temperature flexibility 4 hours at -55°C

Flammability

Fire hazard Duration of burning 30s max to ASTM D2671

Chemical

Fluid resistance At 23°C for 24 hours for the following fluids:
 Aircraft fuel, ISO1817 test liquid B
 Phosphate ester based to ISO1817 test liquid 103
 Lubricating oil ester based to ISO1817 test liquid 101

Specifications

AMS-DTL-23053/5 Cl 1, 2 & 3
 UL E35586
 CSA LR31929
 Def Stan 59-97 Type 2b
 VG 95343 Pt5 Type A+B
 VDE 0341 Pt9005
 BS 4G-198 Pt3 11B
 RoHS Compliant

Ordering Size (Inches)	Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Recovered Wall Thickness (mm)	Standard Packaging	
				Metre per spool	Lengths per bag
3/64	1.20	0.60	0.45	200	50
1/16	1.60	0.80	0.45	200	50
3/32	2.40	1.20	0.50	200	50
1/8	3.20	1.60	0.50	200	50
3/16	4.80	2.40	0.50	200	50
1/4	6.40	3.20	0.65	150	25
3/8	9.50	4.80	0.65	150	25
1/2	12.70	6.40	0.65	100	25
3/4	19.00	9.50	0.75	50	25
1	25.40	12.70	0.90	50	25
1 1/4	31.00	16.00	0.95	50	15
1 1/2	38.00	19.00	1.00	25	15
2	51.00	25.40	1.15	25	10
3	76.00	38.00	1.25	15	5
4	102.00	51.00	1.40	15	5

Standard colours: Black, red, yellow, blue, white and transparent.
 Other available colours are: Brown, orange, green, violet and grey.

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

PLASTRONIC®
 PMG Company