

Plamar Non-Shrink Tube

Multilayered general electrical insulator and protective tube for Class B applications



- Available with internal diameters from 1.60mm to 210.00mm
- Sizes available include a variety of wall thicknesses, from 0.030mm to 2.00mm
- Constructed from UL approved materials
- Precision polyester construction suitable for Class B applications and operating temperatures of 130°C to 155°C (depending on application)



Robust, consistent and cost effective insulation

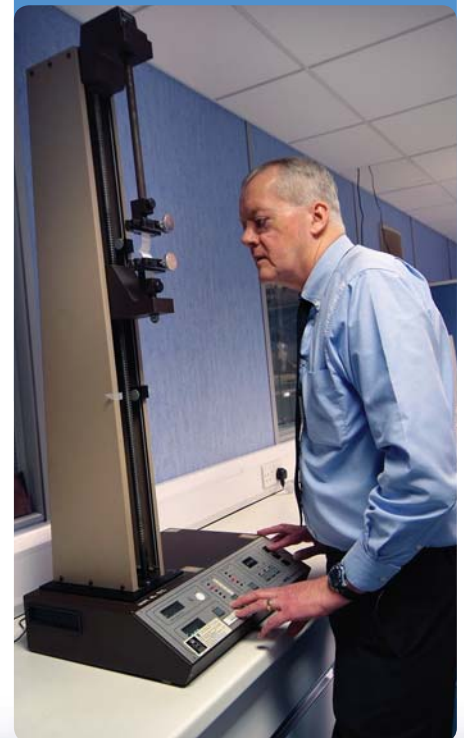
Plamar Non-Shrink Tube is a multilayered precision-wound protective tube made from polyester. It maintains high dielectric strength and cut through resistance in the most demanding applications.

Plamar Non-Shrink Tube is widely used to provide secondary insulation and mechanical protection for wiring looms and is particularly suited to use in hermetic and open motors.

Plamar Non-Shrink Tube is designed to provide robust and consistent general electrical insulation. It is also available with electrically conducting surface materials and coatings for bespoke applications.

More features

- Massively tough precision wound polyester construction
- Ultra stable shape and roundness makes for easy application and mechanical reliability
- Tight manufacturing tolerances and consistent wall thickness suit bulk and automated process engineering environments



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TUBULAR TECHNOLOGY

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Technical Data

Electrical Properties

Property of Base Film	Typical Value	Test Condition	Test Method
Dielectric strength (v)	6400	25°C, 50Hz and 50mm electrode	ASTM D 149-64
Film thickness (mm)	0.0254	25°C, 7500v, 150°C 5000v	-
Surface Resistivity ohms per square	10 ⁶	25°C, 30% relative humidity	ASTM D 257-78

Physical Properties

Property of Base Film	Typical Value	Test Condition	Test Method
Tensile Mpa (Machine Direction)	200	25°C	ASTM D 882-80
Elongation % (MD)	130	25°C	ASTM D 882-80
Stress to produce 5% elongation Mpa (MD)	105	25°C	ASTM D 882-80
Moisture absorption	less than 8%	24hrs at 25°C immersion	ASTM D 570-63

Thermal Properties

Property of Base Film	Typical Value	Test Method
Melt Point	(526-528K) 253-255°C	ASTM D 3148-82