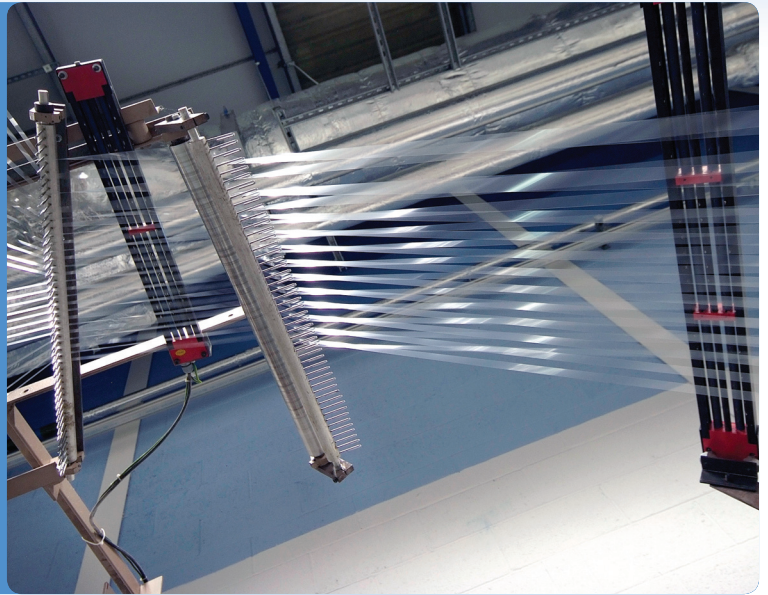


Plamar Heat-Shrink Tube

Cost effective heat shrink tube for general insulation and use in hermetic electric motors

- 30-35% shrink secures and insulates components, wires and connections.
- Quick and easy 10 second shrink-on application.
- Superb dielectric and cut through strength across operating temperatures.
- Constructed from UL approved film.
- Compatible with most refrigerant and oil combinations.
- Multilayer Dupont™ Mylar® construction suitable for class B applications and operating temperatures of 130°C to 155°C in continuous use.



Rapid-fit, secured insulation and chemical protection

Plamar Heat-Shrink Tube prevents line failures in both hermetic motors and in general purpose use by securing and insulating electrical connections. Shrink-on fitting provides comprehensive mechanical and electrical protection, cutting line failures arising from vulnerable connections.

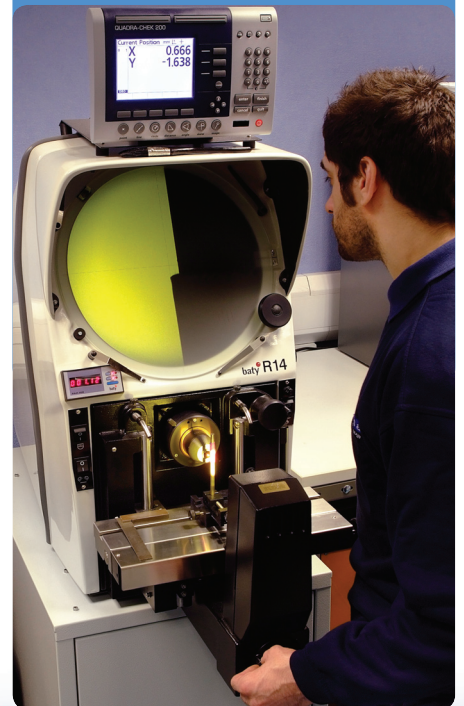
Plamar Heat-Shrink Tube maintains high dielectric strength and cut through resistance in the most demanding applications and at temperatures of up to 160°C in short term use. Consistent characteristics and ease of application give manufacturers a cost efficient means to boost the mechanical reliability of electrical systems.

Plamar heat-shrink tube is particularly suited to use in hermetic systems due to refrigerant compatibility and low extractables.

Plamar Heat-Shrink Tube can be readily supplied with lengths and wall thicknesses to suit the application at hand.

More features

- Available with internal diameters from 1.6mm to 210mm
- Wall thicknesses from 0.050mm to 0.500mm
- Ultra stable shape and roundness provides for easy application and mechanical reliability.
- Tight manufacturing tolerances and consistent wall thickness suit bulk process engineering environments.
- Available in cut lengths to suit application



For more information or to order contact us:

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Plamar Heat-Shrink Tube

Cost effective heat shrinkable tube for general insulation and use in hermetic electric motors

Technical Data

Electrical Properties of Base Film

Property of base film	Typical Value		Test Condition	Test method
	16 HS film (16 μm)*	37.5 HS film (37 μm)		
Dielectric strength (mimumum kV)		3.5		ASTM D 149

*1 μm - 0.001 mm, or approximately 4 gauge

Physical Properties of Base Film

Property of base film	Typical Value		Test Condition	Test method
	16 HS film (16 μm)*	37.5 HS film (37 μm)		
Tensile Strength (Mpa)				
MD	160	190	Machine Direction (MD)	ASTM D 882
TD	300	260	Transverse Direction (TD)	ASTM D 882
Yield (m^2/kg)	44.80	19.10		
Modulus (Mpa)	1,750	2,100	MD	ASTM D 882
	4,900	3,600	TD	ASTM D 882
Elongation (%)	180	170	MD	ASTM D 882
	90	110	TD	ASTM D 882
Water Vapour Transmission Rate ($\text{g}/\text{m}^2/24$ hrs)	40	15	38°C, 90% Relative Humidity	ASTM F 1249
Oxygen Permeability ($\text{cc}/\text{m}^2/24$ hrs)	125	75	Before shrinkage	ASTM D 3985
	60-75	30-45	After shrinkage	ASTM D 3985

Optical Properties

Property of base film		Typical Value	Test Condition	Test method
Haze (%)	11.5	15%		ASTM D 1003 Gardner Hazemeter

Further information on DuPont™ Mylar® HS grade heat shrinkable film available from DuPont

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