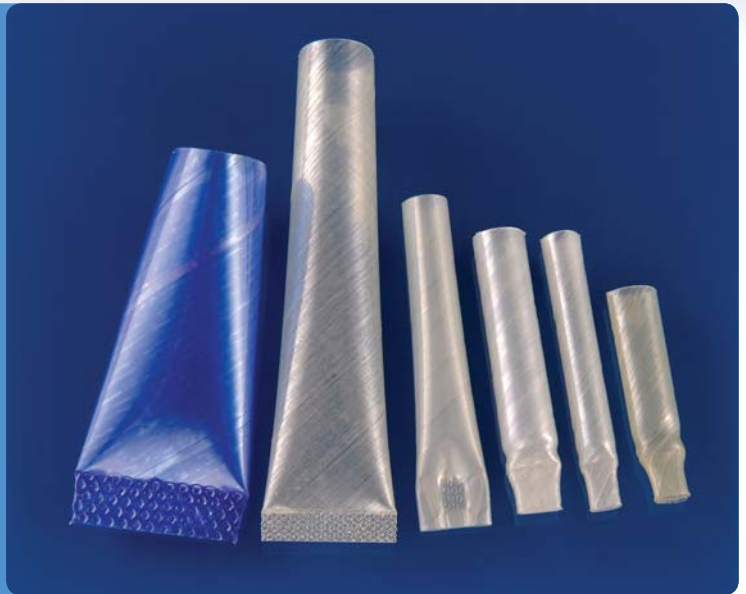


# Plamar Heat-Shrink Endcaps

Cost effective insulation for wire connections in hermetic electric motors



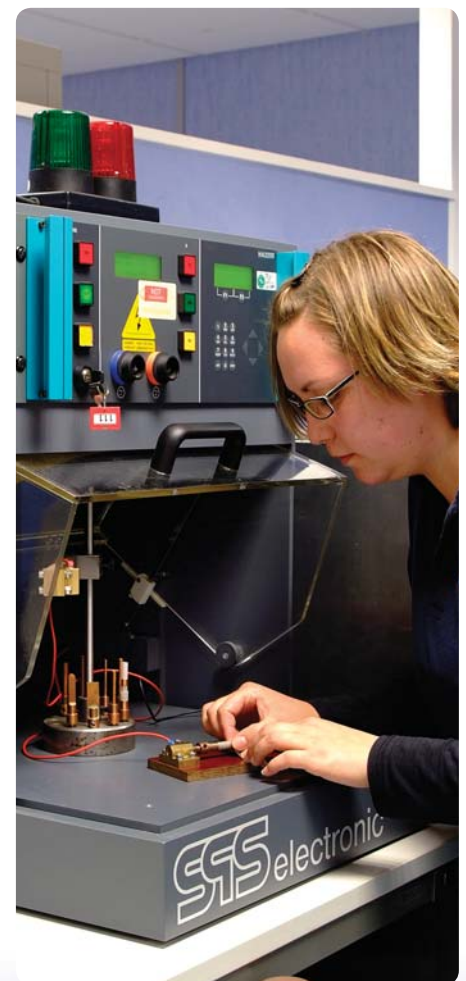
- Secures and insulates wire connections in hermetic electric motors
- Quick and easy 10 second shrink-on application
- Superb dielectric, mechanical and cut through strength across operating temperatures
- Constructed from UL approved film
- Compatible with most refrigerant and oil combinations
- Robust, six layer Dupont Mylar construction suitable for class B applications and operating temperatures of 130°C in continuous use



## Rapid-fit, secured insulation and chemical protection

Plamar Heat-Shrink Endcaps prevent line failures in hermetic motors by securing and insulating electrical connections. Shrink-on fitting both prevents the dispersal of debris within a motor and provides comprehensive mechanical and electrical protection, cutting line failures arising from vulnerable connections.

Plamar Heat-Shrink Endcaps maintain high dielectric strength and cut through resistance in the most demanding applications. They are widely used to provide secondary insulation and mechanical protection for wiring looms and are particularly suited to use in hermetic and open motors.



## More features

- Available with internal diameters from 2.0 mm to 60.0 mm
- Wall thicknesses between 0.100mm and 0.350mm available
- Available with bull nosed, spot welded and full sonic welded closures

For more information or to order contact us:  
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TUBULAR TECHNOLOGY

## Technical Data

### Electrical Properties

Property of Base Film	Typical Value		Test Condition	Test Method
	16 HS film (16 $\mu\text{m}$ )*	37.5 HS film (37 $\mu\text{m}$ )		
Dielectric strength (mimimum kV)	-	3.5	-	ASTM D 149

\*1  $\mu\text{m}$  - 0.001 mm, or approximately 4 gauge

### Physical Properties

Property of Base Film	Typical Value		Test Condition	Test Method
	16 HS film (16 $\mu\text{m}$ )*	37.5 HS film (37 $\mu\text{m}$ )		
Tensile Strength (Mpa)				
MD	160	190	Machine Direction (MD)	ASTM D 882
TD	300	260	Transverse Direction (TD)	ASTM D 882
Yield ( $\text{m}^2/\text{kg}$ )	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
	16 $\mu\text{m}$	37 $\mu\text{m}$		
Haze (%)	11.5	15	-	ASTM D 1003, Gardner Hazemeter

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