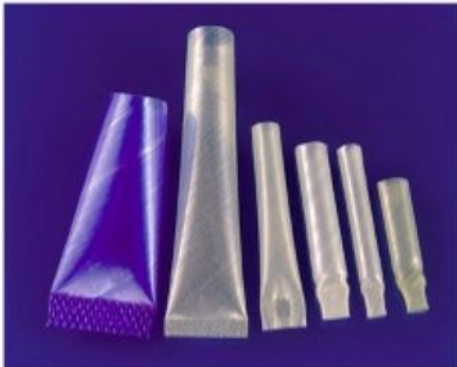




Mylar® End Caps insulate and secure electrical connections in electric motors, refrigeration systems and other applications. They have a high dielectric strength and impact resistance and are also suitable for demanding applications. By attaching End Caps, short circuits caused by wire residues can be avoided. The shrinkable End Caps are mainly used as secondary insulation in windings of encapsulated and open electric motors.

Mylar® End Caps, Shrinkable, Class B (130°C)

Technical Specifications

Properties

- Cost-effective insulation of wire ends in lacquer-impregnated electric motors of temperature class B
- Reliable fixation due to shrinkage of 35%.
- Inner diameter from 2.00 mm to 60
- available with wall thicknesses from 0.100 mm to 0.350 mm.
- Rapid shrinkage within 10
- Excellent dielectric strength and impact resistance.
- Made of six layers of DuPont™ Mylar® film.
- The film is UL approved

Electrical Properties of Base Film				
Properties of Base Film	Typical Value		Test Condition	Test Method
	16 HS film (16 µm)*	37.5 HS film (37 µm)		
Dielectric strength [kV]		> 3.5		ASTM D 149

*1 µm - 0.001 mm, or approximately 4 gauge

Physical Properties of Base Film					
Properties of Base Film		Typical Value		Test Condition	Test Method
		16 HS film (16 μm)*	37.5 HS film (37 μm)		
Tensile Strength	MD [Mpa]	160	190	Machine Direction (MD)	ASTM D 882
	TD [Mpa]	300	260	Transverse Direction (TD)	ASTM D 882
Yield	[(m2/kg]	44.80	19.10		
Modulus	MD [Mpa]	1,750	2,100	MD	ASTM D 882
	TD [Mpa]	4,900	3,600	TD	ASTM D 882
Elongation	MD [(%]	180	170	MD	ASTM D 882
	TD [(%]	90	110	TD	ASTM D 882
Water Vapour Transmission Rate	[g/m2/24 hrs]	40	15	38°C, 90% Relative Humidity	ASTM F 1249
Oxygen Permeability	[cm3/m2/24 hrs]	125	75	Before shrinkage	ASTM D 3985
		60-75	30-45	After shrinkage	ASTM D 3985
Optical Properties					
Turbidity	[%]	11.5	15		ASTM D 1003 Gardner Hazemeter