



The Mylar® insulating tube insulates and secures electrical connections in electric motors, refrigeration systems and other applications. Due to its high dielectric strength and impact resistance, this shrinkable insulating tube can also be used in demanding applications at short-term temperatures of up to 160 °C.

Mylar® Insulating Tube, Shrinkable, Class B (130°C)

Properties

- Spiral winding Insulation tubes for low-cost insulation within the temperature class B range
- Reliable fixation due to shrinkage of 35%.
- Inner diameter from 1.60 mm to 210.00
- available with wall thicknesses from 0.050 mm to 0.500 mm.
- Rapid shrinkage within 10
- Excellent dielectric strength and impact resistance.
- Structure made of multi-layer DuPont™ Mylar® film.
- The film is UL certified
- Resistant to oil and most refrigerants.
- Suitable for applications in temperature class B at continuous temperatures of 130°C to 155°C.
- Cut lengths can also be supplied.

Technical data

Electrical properties					
Properties of basic film		Typical value		Test condition	Test method
Dielectric strength (kV)		> 3.5			ASTM D 149
Physical properties					
Properties of basic film		Typical value		Test condition	Test method
		16 HS Folie(16 μm)	37.5 HS Folie (37 μm)		
Tear resistance					
LR	Mpa			Running direction (LR)	ASTM D 882
QR				Transverse direction (QR)	ASTM D 882
Yield	[m2/kg]	44,80	19,10		
Tension module					
LR	Mpa	1'750	2'100	LR	ASTM D 882
QR		4'900	3'600	QR	ASTM D 882
Stretching limit					
LR	Mpa	180	170	LR	ASTM D 882
QR		90	110	QR	ASTM D 882
Water vapor permeability	[g/m2/24 h]	40	15	38°C, 90% relative humidity	ASTM F 1249
Oxygen permeability	[cm3/m2/24 h]	125	75	before shrinking	ASTM D 3985
		60-75	30-45	after dhrinking	ASTM D 3985
Optical properties					
Turbidity	[%]	11.5	15		ASTM D 1003, Gardner Hazemeter

Item number:

Example:

IRSMY0100/0005/0500

IRSMY = master number

0100 = 1.00 mm diameter

005 = 0.05 mm wall thickness

0500 = 500 mm length