

# Electrical Insulation



# Delivering reliability and consistency

## Mylar® Melinex® Kaladex®

### Good Balance of Mechanical Properties

- A strong tough material which is suitable for mechanical forming and allows easy roll to roll lamination.

### Good Thermal Endurance

- Suitable for motors operating at elevated temperatures.

### Underwriter Laboratories Recognition

- QMFZ2-E92687
- QMFZ2-E523642

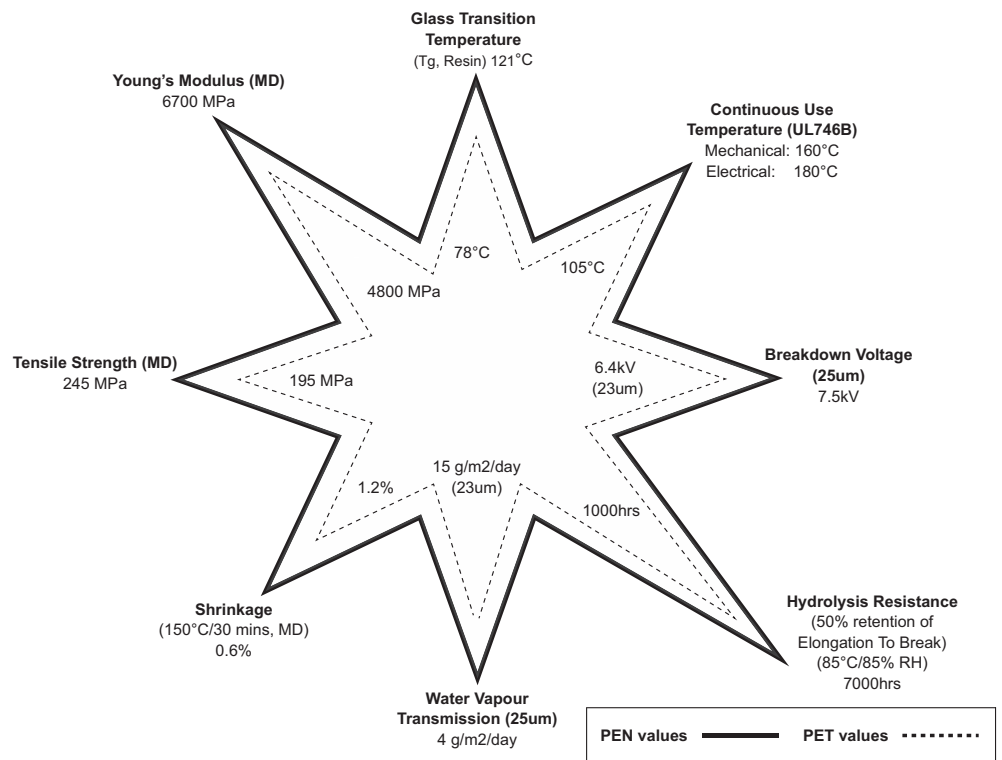
### High Dielectric Strength

- Breakdown voltage of 23kV at a thickness of 250 micron.

### Chemically Resistant

- Excellent resistance to solvents and resins commonly used in the production of electrical laminates and machines.

- Mylar® A is the industry benchmark for electrical insulation applications
- Superior thermal performance with resistance to temperature peaks up to 150 °C
- Best-in-class mechanical and physical properties



# Making a difference

## Table of polyester films range available

Film Name	Thickness (Micron)	Film Description
Mylar® A	23, 36, 50, 75, 100, 125, 190, 250, 300, 350	Milky white film with high dielectric strength, temperature durability and dimensional stability.
Melinex® S	12, 23, 36, 50, 75, 100, 125	Hazy film with excellent handling characteristics. Used for a range of applications including electrical insulation and industrial laminations.
Melinex® SLS	50, 75	Low shrink version of Melinex® S. Suitable for FPC and MTS circuitry. Other thicknesses possible subject to a suitable commercial case.
Melinex® 238	75, 125, 190, 250, 350	Milky white film with low oligomer content and superior thermal performance specifically for insulation in hermetic compressor motors.
Kaladex® 2000	16, 25, 38, 50, 75, 100, 125	High performance polyethylene naphthalate (PEN) film with UL-recognised RTIs of 160 °C mechanical and 180 °C electrical, suitable for use in Class F (155 °C) applications with the possibility of use as a system component at higher classes.

[www.dupontteijinfilms.com](http://www.dupontteijinfilms.com)  
[europe.films@dupont.com](mailto:europe.films@dupont.com) / [usa.films@dupont.com](mailto:usa.films@dupont.com)



United Kingdom  
DuPont Teijin Films U.K. Ltd  
The Wilton Centre  
Redcar  
TS10 4RF

Continental Europe  
DuPont Teijin Films Luxembourg S.A.  
BP-1681  
L-1016  
Luxembourg

United States  
DuPont Teijin Films U.S.  
Limited Partnership  
3600 Discovery Drive  
Chester, VA 23836 USA

DuPont Teijin Films China Limited  
Room 702, 7th Floor, China Life Center,  
Tower A, One Harbour Gate,  
No. 18 Hung Luen Road, Hung Hom,  
Kowloon Hong Kong

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