



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

The Gund Company, Inc
St. Louis, Missouri – USA

TEL - 314.423.5200
FAX - 314.423.9009

MATERIAL DATA SHEET

Item: Melinex Polyester Film Type 226

Description: Melinex polyester film type 226 has been especially developed for electrical insulation applications. It combines very high tear resistance with good cohesive strength. Melinex type 226's primary application has been motor insulation.

Availability:

Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers

Key Characteristics	Units	Typical Values
Tensile Strength, MD TD	psi	28,000 30,000
Yield Strength, MD TD	psi	14,500 14,500
Elongation at Break, MD TD	%	150 110
Tensile Modulus, MD TD	psi	600,000 700,000
Tear Strength Initiation, MD TD	g/mil	1,000 900
Propagation, MD TD	g/mil	16 12
Density		1.4
Melting Point	F°	500
Specific Heat	cal/g/C°	0.32
Dielectric Strength 92 Gauge 300 Gauge 600 Gauge	kV/mil	7 12 15
Dielectric Constant 92 Gauge 300 Gauge 600 Gauge	kV/mil	3.3 3.23 3.0
Volume Resistivity	Ohm-cm	10 ¹⁷
Surface Resistivity	Ohm-cm	10 ¹⁵

All of the information, suggestions, and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation, warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.