



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	Polyester Film	
Description:	Polyester film has been specially developed for electrical insulation applications. It combines very high tear resistance with good cohesive strength. While the primary application has historically been motor insulation, there are numerous additional insulating applications where polyester film would be a good fit.	
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	psi	28,000
	TD		30,000
Yield Strength	MD	psi	14,500
	TD		14,500
Elongation Break	MD	%	150
	TD		110
Tensile Modulus	MD	psi	600,000
	TD		700,000
Tear Strength Initiation	MD	g/mil	1,000
	TD		900
Propagation	MD	g/mil	16
	TD		12
Density		--	1.4
Melting Point		°F	500
Specific Heat		cal/g/°C	0.32
Dielectric Strength	92 Gauge	kV/mil	7
	300 Gauge		12
	600 Gauge		15
Dielectric Constant	92 Gauge	kV/mil	3.3
	300 Gauge		3.23
	600 Gauge		3.0
Volume Resistivity		Ohm-cm	10 ¹⁷
Surface Resistivity		Ohm-cm	10 ¹⁵