



## CADCO 849 Milky White Polyester Film

### Description:

Cadco 849 is a co-extruded tough milky white polyester film having excellent surface and good electrical properties.

### Applications:

Suitable for insulation in rotating electrical machines and other general applications.

### Salient Features:

- Tough flexibility to prevent de-lamination.
- Good insulation properties.
- Excellent machinability.
- Excellent mechanical properties.
- Excellent dimensional stability.

### Typical Property Values

PROPERTIES	Test Methods	Units	CADCO J470					
<b>PHYSICAL</b>								
Thickness	ASTM D-374	Micron	100	125	190	250	350	
Yield	JPFTM	m <sup>2</sup> /kg	7.1	5.7	3.7	2.9	2.1	
Haze (Max)	ASTM D-1003	%	65	70	80	90	100	
Total Luminous Transmission	ASTM D-1003	%	80	75	71	67	63	
<b>MECHANICAL</b>								
Coefficient of Friction (Side-A / B) (Max)	ASTM D-1894	Static (St)	0.35	0.35	0.35	0.35	0.35	
		Kinetic (Dy)	0.30	0.30	0.30	0.30	0.30	
Tensile Strength (Min)	ASTM D-882	kg/cm <sup>2</sup>	MD	1700	1700	1700	1600	1600
			TD	1700	1700	1700	1600	1600
Elongation (Min)	ASTM D-882	%	MD	120	120	120	140	150
			TD	100	100	100	120	130
<b>THERMAL</b>								
Shrinkage (Max) at 150°C / 30 min	ASTM D1204	%	MD	2.5	2.5	2.5	2.5	2.5
			TD	1.5	1.5	1.5	1.5	1.5
<b>ELECTRICAL</b>								
Break Down Voltage	ASTM D149	KV/mm	15	17	20	22	26	
Volume Resistivity	ASTM D256	Ohm-cm	10 <sup>^</sup> 16	10 <sup>^</sup> 16	10 <sup>^</sup> 16	10 <sup>^</sup> 16	10 <sup>^</sup> 16	

**Note:** MD: Machine Direction, TD: Transverse Direction

PROPERTIES	UNITS	LIMITS
Thickness Tolerance	%	<0.250mm ± 10% ≥0.250mm ± 5%

**Note:** The above figures are typical values obtained under standard methods and are not intended for specification purposes. Except as provided in seller's standard conditions of sale, seller shall not be responsible for any loss resulting from any use of its products or services described herein. Each user is responsible for making its own determination as to the suitability of seller's products, services or recommendations for user's particular use through appropriate end-use testing and analysis.