

# Dura-Lar®

## Oriented Polyester Film

### TYPICAL PROPERTIES OF DURA-LAR®

Properties based on 92 Gauge General Use Film

Properties of other gauges and finishes of Dura-Lar can vary.

#### PHYSICAL PROPERTIES:

Property	Typical Value	Units	Test Method
Tensile Strength (MD)	28,000	psi	ASTM D 882
Tensile Strength (TD)	34,000	psi	ASTM D 882
Strength Elongation MD	15,000	psi	ASTM D 882
Strength F-5 TD	14,000	psi	ASTM D 882
Modulus MD	710,000	psi	ASTM D 882
Modulus TD	740,000	psi	ASTM D 882
Elongation MD	115	%	ASTM D 882
Elongation TD	92	%	ASTM D 882
Surface Roughness	38	nm	Optical Profilometer
Density	1.39	g/cc	ASTM D 1505
Viscosity	0.56	dL/g	ASTM D 4603
Yield	21,000	in <sup>2</sup> /lb	

#### ELECTRICAL PROPERTIES:

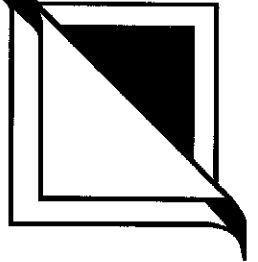
Property	Typical Value	Units	Test Method
Dielectric Strength			
AC, 20°C, .00092"	7,000	volts/mil	ASTM D 149-64
Dielectric Constant			
25°C, 1 kHz	3.2		ASTM D150-81
Dissipation Factor			
25°C, 1 kHz	0.005		ASTM D150-65
Volume Resistivity 25° C	1.00E+19	ohm-cm	ASTM D257-78
Corona Threshold	425	V-AC	ASTM D2275-80

#### THERMAL PROPERTIES:

Property	Typical Value	Units	Test Method
Melt Point	254	°C	
Dimensional Stability			
at 105° MD	0.6	%	
at 105° MD	0.3	%	
at 105° MD	1.8	%	
at 105° MD	1.0	%	
Specific Heat	0.28	cal/g/°C	
Thermal Expansion	1.7 x 10 <sup>-5</sup>	in./in./°C	ASTM D 696
UL94 Flame Class	94VTM-2		Slow to Self Extinguishing

# Dura-Lar<sup>®</sup>

## Oriented Polyester Film



### DESCRIPTION:

Dura-Lar<sup>®</sup> is an oriented polyester film which is available in a variety of finishes and gauges. It is ideally suited for a wide range of uses such as packaging, printing, die-cutting, electronics, protective overlay, barrier protection, apparel, and other industrial applications. Because of its inherent physical properties, Dura-Lar<sup>®</sup> is your best choice for a high performance plastic film or sheet.

### FEATURES:

- Archival Quality
- Dimensional Stability
- Lay-Flat
- Chemical Resistance
- Consistent Color
- Clarity
- Non-Yellowing
- Non-Tearing
- Heat Resistance to 230 C
- Electrical Resistance

### FINISHES:

- Clear
- Hazy
- Matte
- Prepared (Gel Coated)
- Pressure Sensitive
- Metallized
- Transparent Blue
- Custom Color Tints

\*Not all finishes stocked in each gauge.

### GAUGES:

.001" to .014"