



Dura-Lar®

Oriented Polyester Film

DESCRIPTION:

Dura-Lar® 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® 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"

CONVERSION TO CUSTOMER SPECIFICATION

- Sheeting, Trimming, Slitting
- Rolls Produced To Specified Width, Length, & Core Size
- Hole Punching & Corner Rounding
- Custom Packaging

**PRECISION
PUNCH &
PLASTICS**

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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 ² /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° TD	0.3	%	
at 105° MD	1.8	%	
at 105° TD	1.0	%	
Specific Heat	0.28	cal/g/°C	
Thermal Expansion	1.7 x 10 ⁻⁵	in./in./°C	ASTM D 696
UL94 Flame Class	94VTM-2		Slow to Self Extinguishing

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