

# Dura-Lar™

## Oriented Polyester Film

	.004" Wet Media
	.020" Clear
	.015" Clear
	.010" Clear
	.007" Clear
	.005" Clear
	.004" Clear
	.003" Clear

### 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

### GAUGES:

.001" to .014"

### CONVERSION TO CUSTOMER SPECIFICATION

GRAFIX® Specializes In Converting Plastic

Film & Sheet To Customer Specification:

- Sheeting, Trimming, Slitting
- Rolls Produced To Specified Width, Length, & Core Size
- Hole Punching & Corner Rounding
- Custom Packaging
- Sourcing Of Non-Stock Plastic Film & Sheet

### CONVERTED STOCK PRODUCTS

GRAFIX® Maintains A Wide Variety Of Sizes Of Sheets, Rolls, and Packs Of Dura-Lar™.

## GRAFIX® Plastics

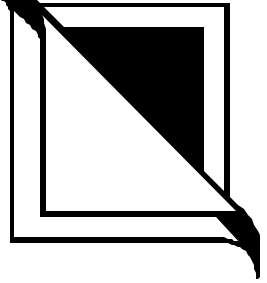
A Division of GRAFIX, Inc.

19499 Miles Rd. Cleveland, OH. 44128

(800) 447-2349 (216) 581-9050 FAX (216) 581-9041

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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 <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

## GRAFIX® Plastics

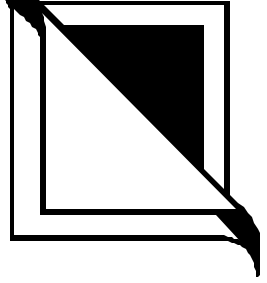
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# Metallized Dura-Lar™

## Oriented Polyester Film

	.002" Gold P/S
	.002" Gold Plain
	.002" Silver P/S
	.005" Silver Plain
	.002" Silver Plain

### DESCRIPTION:

Metallized Dura-Lar™ is an oriented polyester film with a very thin coating of aluminum that is vacuum deposited on to the surface of the film. Our Metallized Dura-Lar™ is stocked in gauges .002" and .005", however, other thicknesses from .001" to .007" are available on a custom basis. This product is well suited in a variety of industrial and decorative applications, including printing, packaging, POP and display, crafts and many other applications.

### FEATURES:

Clean Mirror Finish  
Dimensional Stability  
Lay-Flat  
Chemical Resistance  
Heat Resistance to 230 C  
Conducts Electricity

### FINISHES:

Silver  
Gold  
Custom Colors Available  
Pressure Sensitive  
Printable Top Coats

### GAUGES:

.001" to .007"  
.010 + (laminates)

### CONVERSION TO CUSTOMER SPECIFICATION

GRAFIX® Specializes In Converting Plastic Film & Sheet To Customer Specification:

- Sheeting, Trimming, Slitting
- Rolls Produced To Specified Width, Length, & Core Size
- Hole Punching & Corner Rounding
- Custom Packaging
- Sourcing Of Non-Stock Plastic Film & Sheet

### CONVERTED STOCKED PRODUCTS

GRAFIX® Maintains A Wide Variety Of Sizes Of Sheets, Rolls And Packs Of Metallized Dura-lar™

## GRAFIX® Plastics

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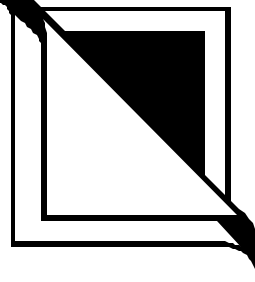
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# Metallized Dura-Lar™

## Oriented Polyester Film



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#### PHYSICAL PROPERTIES:

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Density	1.39	g/cc	ASTM D 1505
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