

# 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

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

### CONVERTED STOCK PRODUCTS

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

### GRAFIX® Plastics

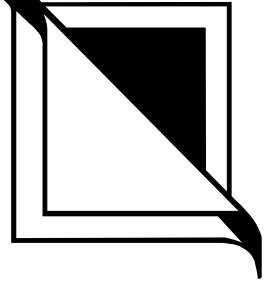
A Division of GRAFIX, Inc.

19499 Miles Rd. Cleveland, OH. 44128

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

E-MAIL: [info@grafixplastics.com](mailto:info@grafixplastics.com) WEB <http://www.grafixplastics.com>





# Dura-Lar<sup>®</sup>

## Oriented Polyester Film

### TYPICAL PROPERTIES OF DURA-LAR<sup>®</sup>

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° 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 <sup>-5</sup>	in./in./°C	ASTM D 696
UL94 Flame Class	94VTM-2	Slow to Self Extinguishing	

Important Notice: Grafix makes no warranties, express or implied, including but not limited to any implied warranty of merchantability of fitness for a particular purpose. The user is responsible for determining whether the Grafix product is fit for a particular purpose and suitable for the user's method of application. Please remember that many factors can affect the use and performance of an OptiGrafix optical film product in a particular application. Given the variety of factors that can affect the use and performance of a Grafix product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Grafix product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

Limitation of Remedies and Liability: If the Grafix product is proven to be defective, THE EXCLUSIVE REMEDY, AT GRAFIX'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE GRAFIX PRODUCT. Grafix shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty or strict liability.

## GRAFIX<sup>®</sup> Plastics

A Division of GRAFIX, Inc.

19499 Miles Rd. Cleveland, OH. 44128

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

E-MAIL: [info@grafixplastics.com](mailto:info@grafixplastics.com) WEB <http://www.grafixplastics.com>

