

Drafting Film

Polyester Base with Matte Finish

DESCRIPTION:

Grafix® Drafting Film is a polyester film base with a one or two side matte translucent drawing surface. This product is treated to reduce static, accepts paint, ink and pencil. It is dimensionally stable and erases clean. Grafix® Drafting Film is printable on most black & white laser printers and plain paper copiers. It is used widely in engineering, drafting, laser-cutting fabrication, direct screen masks and applications requiring a write-on surface.

FEATURES:

High-Translucency For Sharp Reproduction
PPC & Laser Printable
Tear Resistant
Immune To Brittleness
Will Not Discolor
Superior Lay-Flat
Erasable, Redraws Without Ghosting
Waterproof, Stainproof Surface

GAUGES:

.003"
.004"
.005"
.007"

FINISHES:

Matte, 1 or 2 Sides

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 Drafting Film.

GRAFIX® Plastics

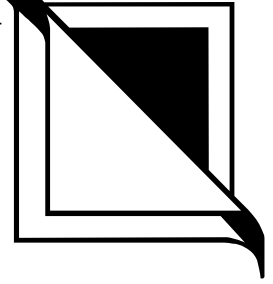
A Division of GRAFIX, Inc.

19499 Miles Rd. Cleveland, OH. 44128

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

E-MAIL: info@grafixplastics.com WEB <http://www.grafixplastics.com>





Drafting Film

Oriented Polyester Film Base with Matte Finish

Typical Properties Of Drafting Film

Properties based on .003" Gauge General Use Film. Properties of other gauges and finishes of Drafting Film 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	

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

FINISH PROPERTIES:

Gloss @ 60: Matte: 3.0-6.0%, Back Lacquer: 40-60%

Opacity: 23-32%

Surface Finish: Matte finish; Gloss finish is semi-gloss back lacquer/

Recommended Ink Type: Rapidograph 3084 F.

Recommended Pencil Lead: Berol E-2 plastic lead.

Recommended Pencil Eraser: Staedtler Mars Plastic.

Recommended Pen Eraser: Staedtler Mars Techniplast.

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.

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