

Polar®

Polymeric

The high opacity of Polar® Polymeric provides an excellent printing surface and offers a consistent white point. Polar® Polymeric also offers excellent indoor and outdoor durability with a 5+ year lifespan for exterior applications. With both permanent and removable adhesive options, Polar® Polymeric maximizes adhesive performance on a wide variety of substrates.

- PHTHALATE-FREE PRODUCTS
- PERMANENT OR REMOVABLE OPTIONS
- EXCELLENT WHITE POINT FOR PRINTING

3.2
mil

White
Polymeric
PVC

Matte or
Gloss



(Eco) Solvent
Latex
UV



Gray or Clear
Removable or Permanent
Acrylic (Pressure Sensitive)



Widths up to 54 in



EXTERIOR & INTERIOR
(5-7 years with matching overlamine)

CONSISTANT PRINTING SURFACE



APPLICATIONS

POP AND ADVERTISING GRAPHICS
POSTERS
EXHIBITION GRAPHICS
GENERAL SIGNAGE
CONSTRUCTION BARRICADES

DRYTAC®
ADHESIVE SCIENCE

www.drytac.com

Polar®

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Polar® Polymeric is a 3.2 mil (80µ) white polymeric PVC film with either a gloss or matte finish. Polar® Polymeric is either coated with a gray permanent or removable, pressure sensitive solvent acrylic adhesive or a clear removable, pressure sensitive acrylic adhesive that is protected by either a 78# Poly Coated Kraft release liner (or a 90# release liner for the Polar® Poly P90).

PERMANENT ADHESIVE OPTIONS

- **Polar Poly Gloss P:** Gloss Finish with Gray Permanent Adhesive
- **Polar Poly Matte P:** Matte Finish with Gray Permanent Adhesive
- **Polar Poly Gloss P90:** Gloss Finish with Gray Permanent Adhesive (90# release liner)
- **Polar Poly Matte P90:** Matte Finish with Gray Permanent Adhesive (90# release liner)

REMOVABLE ADHESIVE OPTIONS

- **Polar Poly Gloss R:** Gloss Finish with Gray Removable Adhesive
- **Polar Poly Matte R:** Matte Finish with Gray Removable Adhesive
- **Polar Poly Gloss RC:** Gloss Finish with Clear Removable Adhesive
- **Polar Poly Matte RC:** Matte Finish with Clear Removable Adhesive

INSTALLATION

RECOMMENDATION

The surface must be clean and smooth and free of defects before application.

For more information, performance and warranty guidelines please contact your local Drytac office.

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TECHNICAL SPECIFICATION

PRODUCT STRUCTURE

Film	Gloss White Polymeric PVC	Matte White Polymeric PVC
Adhesive	Gray or Clear Removable Solvent Acrylic (Pressure Sensitive) or Gray Permanent Solvent Acrylic (Pressure Sensitive)	Gray or Clear Removable Solvent Acrylic (Pressure Sensitive) or Gray Permanent Solvent Acrylic (Pressure Sensitive)
Release Liner	78# Poly Coated Kraft (Polar Poly P90 has 90# Poly Coated Kraft)	

PRODUCT CHARACTERISTIC

Film Thickness	3.2 mil (80µ) 4.2 mil
Adhesive Layer	1 mil (25µ) (105µ)
Film/Adhesive Ratio	3:2:1
UV Protection Factor	Not Applicable
Outdoor Durability	5-7 Years (with matching overlamine)
Fire Rating	Class 1 or Class A according to the ASTM E 84 test
Application Temperature	>21°F (-6°C)*
Service Temperature Range	-22°F to 176°F (-30°C to 80°C)*
Shelf Life	1 year
Storage Conditions	59°F to 72°F (15°C to 22°C); 50 - 55% Relative Humidity

*Polar Poly Matte/Gloss R has an application temperature of >-4°F (-20°C) and a service temperature range of -58°F to 212°F (-50°C to +100°C)

OVERLAMINATE RECOMMENDATIONS

When using Polar® Polymeric, an overlamine can be used for maximum life expectancy. Products recommended for use with Polar® Polymeric are Drytac's WipeErase® and Interlam™ Pro overlaminates.

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