

HIGH-BOND™

P O L Y E S T E R

SHINY SILVER



Classy Chrome Look

MATTE SILVER



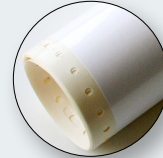
Aluminum Plate Look

BRUSHED SILVER



Stainless Steel Appearance

WHITE



Pearlescent, High-Gloss Shine

CLEAR



Clear High-Gloss Finish

PRODUCT INFORMATION

High-Bond™ Polyester stays stuck to surfaces from -40 to 300 degrees and is available in shiny silver, matte silver, brushed silver, white, and clear.

Engineered for industrial applications, High-Bond's highly aggressive adhesive ensures labels remain fixed to surfaces in extreme-temperature environments. Ideal for low-energy applications including powder-painted metal (heavy equipment, machinery) and plastic.

High-Bond Polyester enables you to produce durable informational graphics and control panel markings for manufacturing applications. Due to its moisture-resistant liner that lays flat after printing, High-Bond is also perfect for doming and label placement tabs.

White is UL recognized for Gerber and HP 873 Series Latex inks.



Available for Latex and UV ink jet printers.

NOTABLE QUALITIES



HIGHLY AGGRESSIVE ADHESIVE

Ensures labels remain fixed to surfaces in extreme temperatures.



DIMENSIONALLY STABLE

Won't shrink or expand, and resists wrinkling.



MOISTURE RESISTANT

Lays flat for alignment tabs and doming.



CUTS SMOOTHLY

Designed for smooth cutting with roll-fed or flatbed plotter.

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General Description: High-Bond Polyester has an aggressive clear, pressure sensitive permanent adhesive that is rated for application to surfaces down to 32°F. The liner is lay-flat and moisture resistant formulated for Gerber and wide format printers and works well for positioning tabs. The adhesive is well suited for powder-paint surfaces and low energy plastics as well as most other surfaces. It accepts a wide variety of pressure sensitive laminates such as polycarbonate, polyester, Tuff-Cover, and vinyl. Shiny silver, matte silver, and brushed silver are metalized, but not conductive. Not recommended for solvent ink jets.

PRODUCT SPECIFICATIONS

TECHNICAL PROPERTIES:

Thickness: 2 mil polyester with 1 mil of adhesive

Outdoor Life: 2 years

Shelf Life: 2 years after processing, stored at 70°F & 50%RH

Adhesive Properties: Aggressive, high performance, permanent solvent-based acrylic, especially suited for LSE surfaces such as plastic and powder paint

Service Temperature Range: (-40°F to 302°F)

Minimum Application Temperature: 32°F

Regulatory: In addition to UL and CUL (Canadian) Recognition, High-Bond is 3TG (Conflict Mineral) compliant, RoHS compliant, REACH compliant, TSCA compliant, PFAS compliant, California Prop 65 compliant, and meets MIL Spec MIL-DTL-43719 Type 1, Class 1.

TESTS PERFORMED RESULTS		
Ultimate peel from	Average OZ/IN	Test Method
Acrylic	110	ASTM D 903 (Modified for 72 hour dwell time)
Aluminum	86	
Glass	78	
Polyethylene	40	
Polypropylene	38	
Powder paint	108	
Stainless steel	60	
Expected Shear Room temp (hours)	5	ASTM D 3654 Method A a.1 hr dwell b.1 sq in surface c.4 lb load
Tack (gm/sq cm)	760	ASTM D 2979

The above tests were performed on three or fewer production runs. Therefore the results are for guidance only, and should be used for setting specifications.

RECOMMENDED APPLICATION TECHNIQUES:

Polyesters are dimensionally stable and will not stretch. Polyester naturally lays flat. Therefore they work best on flat or larger cylindrical surfaces. They do not work well on complex curved surfaces, rivets, or cylindrical surfaces less than 3/4 in diameter. White is UL recognized "969" for the Gerber as well as HP 873 Latex inks. High-Bond polyesters are compatible with polyester, Lexlam, Tuff Cover, and UL recognized Wet-Look polyester laminate.

GSP SOFTWARE SETTINGS:

In Gerber's Plot program, under the "1234" button, set your material type for Gerber's "2 mil label stock."

All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application.

GMS 092024 GRAPHIC MARKING SYSTEMS