

TECHNICAL DATA SHEET

GF 224 TRANSMARK™

3.2 MIL MATTE WHITE TRANSLUCENT VINYL CLEAR PERMANENT ADHESIVE

GF 224 TransMark™ is an 3.2 mil matte white translucent polymeric vinyl film with a clear permanent adhesive, laminated to a 90# layfl at liner. This product is a premium pressure sensitive vinyl with uniform light diffusion properties used to produce backlit displays and other applications that require backlighting. GF 224 is designed to accept a variety of solvent-based, latex and UV curable inks.

| PRODUCT NAME | 224 |
|---|-------------------------------|
| FILM | |
| Film Type | White Polymeric Vinyl |
| Film Thickness (mils/μm) | 3.2 / 81 (+/- 10%) |
| Film Weight (gsm) | 100 |
| Gloss (60°) | ≤ 10 |
| Opacity (%) | 60-70 |
| Tensile Strength (lbs/in) | MD ≥ 2800 / CD ≥ 3200 |
| Elongation (%) | MD ≥ 150 / CD ≥ 180 |
| Dimensional Stability (FTM 14) | MD ≤ 0.30 mm / CD ≤ 0.30 mm |
| ADHESIVE | |
| Adhesive Type | Solvent Acrylic |
| Adhesive Thickness (mils/μm) | 0.8-1.0 / 20-25 |
| Adhesive Color | Clear |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min | 3.0 / 13 |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs | 5.8 / 25 |
| LINER | |
| Liner Weight (#/gsm) | 90 / 145 |
| Liner Type | White 2-sided PE-Coated Kraft |
| Liner Thickness (mils/μm) | 6.7 / 170 |
| Release Force @ 300" / min (g/2") | 15-30 |
| PERFORMANCE GUIDANCE | |
| Application Temperature | ≥ +40 °F |
| Service Temperature | -40 °F to 180 °F |
| Shelf Life | 1 year |
| Storage Temp / Rel. Humidity | 70 °F / 50% |
| Outdoor Durability | up to 5 years |
| Removability | N/A |

**All values provided are typical averages intended for guidance only and should not be interpreted as product specifications or warranties.*

TECHNICAL DATA SHEET

GF 224 - 3.2 MIL MATTE WHITE TRANSLUCENT VINYL CLEAR PERMANENT ADHESIVE

| PRODUCT SNAPSHOT | APPLICATIONS | INK TYPE |
|---|---|---|
| APPLICATION <ul style="list-style-type: none"> ● WET APPLY ● DRY APPLY ○ LAMINATING ○ MOUNTING ● DIE CUTTABLE ○ HOT STAMP ○ THERMAL DIE ● FLATBED CUTTABLE | <ul style="list-style-type: none"> ● POP/RETAIL ○ WALL ○ WRAP ● WINDOW ○ FLOOR ● TRANSLUCENT ○ FLEET ○ GENERAL SIGNAGE ● OUTDOOR | <ul style="list-style-type: none"> ● SOLVENT ● ECO-SOLVENT ● LATEX ● UV CURABLE ● SCREEN ● OFFSET (UV CURABLE) ○ OFFSET (CONVENTIONAL) |
| SUBSTRATES/SURFACES <ul style="list-style-type: none"> ○ OEM PAINTED METAL ○ PAINTED ALUMINUM ● GLASS ● POLYCARBONATE ● ACRYLIC | | |

| FAQS | |
|--|--|
| Should I laminate GF 224? | GF 224 TransMark™ has up to a 5 year outdoor life expectancy without lamination, however to get the most out of your graphics and make them more durable, you can use GF 101 Lustre Laminate for added protection. |
| What types of applications are recommended for GF 224? | GF 224 TransMark(TM) works in applications such as backlit vehicle or bus signs, retail displays, and illuminated artwork. |

For Standard Terms & Conditions: www.generalformulations.com/terms-conditions

GF 224 | DECEMBER 2025