

# TECHNICAL DATA SHEET

## GF 228 TRANSMARK™

### 6.0 MIL MATTE WHITE TRANSLUCENT VINYL CLEAR REMOVABLE ADHESIVE

GF 228 TransMark™ is a 6.0 mil translucent matte white vinyl with a clear removable adhesive on a 90# layflat liner. GF 228 is a premium pressure sensitive vinyl with uniform light diffusion properties used to produce backlit displays for applications such as taxi tops, bus displays, delivery graphics, and other applications that require backlighting. GF 228 is designed to accept a variety of solvent-based, latex and UV curable inks. GF 228 offers excellent bond to substrates such as polycarbonate, styrene, and acrylic sheeting. **GF 228 TransMark™ is CURB™ Taxi Top Approved.**

PRODUCT NAME	228
<b>FILM</b>	
Film Type	White Polymeric Vinyl
Film Thickness (mils/μm)	6.0 / 152 (+/- 10%)
Film Weight (gsm)	200
Gloss (60°)	≥25
Opacity (%)	60-70
Tensile Strength (lbs/in)	MD ≥ 3500 / CD ≥ 3000
Elongation (%)	MD ≥ 125 / CD ≥ 150
Dimensional Stability (FTM 14)	MD ≤ 0.80 mm / CD ≤ 0.80 mm
<b>ADHESIVE</b>	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/μm)	0.7-0.9 / 18-23
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	1.5 / 6.6
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.0 / 8.8
Peel Strength on Glass   on Acrylic (lbs/in) / (N/25mm) 15 min	2.4 / 10   2.8 / 12
Peel Strength on Glass   on Acrylic (lbs/in) / (N/25mm) 24 hrs	2.6 / 11   3.2 / 14
Peel Strength on Polycarbonate (lbs/in) / (N/25mm) 15 min	3.0 / 13
Peel Strength on Polycarbonate (lbs/in) / (N/25mm) 24 hrs	3.5 / 15
<b>LINER</b>	
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")	20-35
<b>PERFORMANCE GUIDANCE</b>	
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 3 years
Removability	up to 1 year

GF 228 | JUNE 2020

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

FAQS	
Should I laminate GF 228?	GF 228 TransMark™ has up to a 3 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 228?	GF 228 TransMark™ works in applications such as backlit vehicle or bus signs, window graphics, retail displays, and illuminated artwork.