

**TECHNICAL  
DATA  
SHEET**

# GF NFD 233

## 6.0 MIL PREMIUM GLOSS CLEAR SEMI-RIGID CALENDERED VINYL FILM

GF NFD 233 is a 6.0 mil premium gloss clear semi-rigid calendered vinyl film which is coated with a permanent acrylic pressure sensitive adhesive and is laminated to a 90# lay flat liner. It is top-coated with a cross-platform coating compatible with a wide array of narrow format production digital printing presses. The more robust face film aids in handling the graphics during application. The adhesive is a general purpose permanent adhesive that after 24 hours offers an excellent bond to many surfaces. The 90# poly coated liner maintains lay flat characteristics in a variety of ambient conditions. GF NFD 233 is available in a 19" x 13" sheet size.

PRODUCT NAME	GF NFD 233
<b>FILM</b>	
Film Type	Clear Semi-Rigid (Monomeric) Vinyl
Film Thickness (mils/ $\mu$ m)	6.0 / 152
Film Weight (gsm)	200
Gloss (60°)	70
<b>ADHESIVE</b>	
Adhesive Type	Permanent
Adhesive Thickness (mils/ $\mu$ m)	0.8-1.0 / 20-26
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.2 / 14
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	5.0 / 22
<b>LINER</b>	
Liner Weight (# / gsm)	91 / 145
Liner Type	White PE Coated Kraft
Liner Thickness (mils / $\mu$ m)	6.7 / 170
Release Force @ 300" / min (g/2")	50-100
<b>TOTAL CONSTRUCTION</b>	
Thickness (mils / microns)	14 / 356 (+/- 10%)
Weight (# per 3000ft <sup>2</sup> / gsm)	227 / 370
<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% RH
Outdoor Durability	2 Years (Clear Vinyl film can yellow with exposure to UV Radiation. Product must be tested for specific usage.)