

**TECHNICAL
DATA
SHEET**
**VFC-NTC-HTP/90
SCREEN & OFFSET**
**3.0 MIL GLOSS CLEAR VINYL
CLEAR HIGH-TACK PERMANENT ADHESIVE**

A 3.0 mil gloss clear calendared vinyl film coated with high-tack permanent solvent acrylic pressure sensitive adhesive on a 90# layflat liner. This vinyl film is designed to accept a variety of UV curable and solvent-based screen inks. Additionally this film may also offer adhesion to UV flexographic, UV offset, letterpress inks, and some thermal ribbon inks but must be tested prior to use. The 90# layflat liner offers good dimensional stability over a range of environmental conditions resulting in excellent sheet printing. This product is designed for permanent decals and nameplates requiring adhesion to a variety of substrates ranging from high surface energy surfaces such as clean metal, painted metal, glass, styrene, polyester and polycarbonate to low surface energy plastics such as polypropylene and polyethylene. May also be applicable to certain powder coated metal finishes.

PRODUCT NAME	VFC-NTC-HTP/90
FILM	
Film Type	Gloss Clear Vinyl
Film Thickness (mils/ μ m)	2.4 mil / 61 μ m (+/- 10%)
Film Weight (gsm)	75
Gloss (60°)	≥ 70
Opacity (%)	Not applicable
ADHESIVE	
Adhesive Type	Permanent
Adhesive Color	Clear
Adhesive Thickness (mils/ μ m)	0.8-1.0 mil / 20-25 μ m
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	4.0 / 18
Peel Strength on Glass (lbs/in / N/25mm) 15 min	4.0 / 18
Peel Strength on Glass (lbs/in / N/25mm) 24 hrs	6.0 / 26
Peel Strength on HDPE 15 min	1.5 / 6.6
Peel Strength on HDPE 24 hrs	2.0 / 8.8
LINER	
Liner Weight (#/gsm)	90 / 145 (+/- 10%)
Liner Type	White 2-Sided PE-Coated Kraft
Liner Thickness (mils/ μ m)	6.7 mil / 170 μ m
Release Force @ 300" / min (g/2")	50-100
PERFORMANCE GUIDANCE	
Application Temperature	$\geq +40$ degrees F
Service Temperature	-40 to 200 degrees F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 degrees F / 50%
Outdoor Durability	Up to 5 years