

Technical Specifications

CiClear is a 3.0 mil optically clear high gloss flexible calendered PVC film coated with an optically clear solvent removable pressure sensitive adhesive laminated to a 2.0 mil traction backed polyester liner. This film is designed to accept a variety of solvent-based, UV curvable latex inks common to wide format digital printing systems. The adhesive system provides clean removal from glass for up to one year under normal exposure conditions. The 2.0 mil polyester liner has a traction coating to aid in processing on common digital printers.

FILM	
Film Type	Clear Monomeric Vinyl
Film Thickness (mils/ μ m)	3.0 / 76 (+/- 10%) before emboss
Film Weight (gsm)	95
Gloss (60°)	≥ 90
Opacity (%)	N/A
Tensile Strength (lbs/in)	MD ≥ 5000 / CD ≥ 5000
Elongation (%)	MD ≥ 200 / CD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 0.80 mm / CD ≤ 0.60 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/ μ m)	0.7-1.0 / 18-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	0.3 / 1.3
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	0.6 / 2.6
Peel Strength on Glass (lbs/in) / (N/25mm) 15 min	0.5 / 2.2
Peel Strength on Glass (lbs/in) / (N/25mm) 24 hrs	0.7 / 3.1
LINER	
Liner Weight (#/gsm)	44 / 71
Liner Type	Clear Polyester
Liner Thickness (mils/ μ m)	2.0 / 51
Release Force @ 300" / min (g/2")	25-45
PERFORMANCE GUIDANCE	
Application Temperature	$\geq +40$ °F
Service Temperature	-40 °F to 180 °F
Shelf Life	up to 1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	up to 3 years
Removability	up to 1 year