



TPU PRINTABLE WHITE FILM

TECHNICAL DATA SHEET

ITEM NO.: TPUW80(SG)

SIZE: 60"×45M

Product Description

- For Solvent-, UV-, and Latex-Inkjet printing
- 4.72-mil, white, Printable film

Product Features

- ★ Adhesive with special air-release channels, no matter dry or wet installations
- ★ Pressure-activated adhesive for easy sliding, tacking, snap-up and repositioning
- ★ Flexible; conformable with less heat, and excellent hiding power
- ★ Superior conformability with heat for applications on recesses and deep channels
- ★ Removable with heat from most surfaces within the Warranty Period
- ★ Expected Performance Life of 10 years (unwarranted period for unprinted film with no TPU laminate film, applied to a flat, vertical, outdoor surface)

FILM MATERIAL

Printable White PPF is an innovative solution for vehicle customization, combining personalized design with superior protection. It enables high-definition printing of unique graphics directly onto the film, allowing for fully custom looks while safeguarding the vehicle's paint in all climate zones and weather conditions. When paired with a Clear PPF Overlaminate, the finish gains enhanced durability and gloss, resulting in a stunning, long-lasting appearance that stands out and resists the elements.

PHYSICAL PROPERTIES

Properties	Results
Material	TPU
Film Color	White
Thickness(without adhesive)	3.15mil, 80um
Thickness(with adhesive)	4.72mil, 120um±10um
Elongation at break	≥178%
Tensile Strength	> 12.5Mpa
Shrinkage	<0.1%
Peel Adhesion	> 10n/cm(20min in Room Temperature)
Adhesive Color	transparent
Liner	Matte double-sealed ultra-fine grid PET liner
Liner thickness	5.51mil, 140um

Application Characteristics

Characteristic	Value
Recommended Types of Graphics and End Uses	• Wraps for vehicles, straight trucks, semi-trucks and semi-trailers; emblems or striping • Watercraft graphics (above the static water line only) • Non-vertical and horizontal vehicle wraps • Bus and transit graphics
Recommended Types of Machine	Epson(Colorful)

Aging Test

UV TESTING-No Detrimental Effect	1800 cycles 60 minutes test / 0.55w/m ² /nm / 340nm
Natural Weathering-No Detrimental Effect	3yr natural China Weather
Humidity With Heat-No Detrimental Effect	200hr / 0-60°C / humidity: 50%-90%RH
Heat Aging-No Detrimental Effect	3months/70°C