



UV-Cured Silicone Release Liners 4000, 7000 & 8000 Series

Saint-Gobain Performance Plastics offers three series of release liners that are based on ultra-violet (UV) cured chemistries. Coatings processed in these series are cured within a nitrogen (N₂) atmosphere in either a Class 1000 or Class 10,000 clean room (dependent on end use).

Within each series there are multiple coatings designed for easy and controlled release performance. Coatings within each series exhibit smooth uniform surface, provide excellent optics, and can be used with a variety of adhesives. Some coatings in each series have FDA compliance and DMF status for use in medical applications.

- 4000 Series – (Epoxy-Silicone Release)
- 7000 Series – (Epoxy-Silicone Release)
- 8000 Series – (Acrylated-Silicone Release)

Advantages

- Easy-moderate-tight release options
- Smooth uniform surface
- Excellent clarity and optics
- Multiple film bases and gauges
- Excellent adhesion to base film
- Excellent solvent resistance
- Can be coated on two sides (C2S)
- FDA coatings for medical applications
- Drug Master File (DMF) listed coatings
- 8000 Series can be tinted / colored

Applications

- Medical – Transdermal patch
- Casting – Various types
- Process liners
- Tag and label

Limitations

- 4000 and 7000 cure can be inhibited by process aids used in some films



NORFILM™ UV-Cured Silicone Release Liners*

Film	Gauge	Market	Applications	Key Properties
Polyester (PET)	92-1400	Label Decal Graphic Industrial Tape Medical	Roll Label, Overlaminates, Beverage, Pharmaceutical, Toiletries, Health & Beauty Transfer Lettering, Window Graphics Solar, Gaskets, Nameplate, Automotive, Construction, Composites, Free Adhesives	High Tensile and Tear Resistance Excellent Smoothness High Clarity Gauge Control Temperature Resistance Recyclable Back Side Printable Mechanically Stable Spliceable
Polystyrene (PS)	750-1000	Medical Label	Hydrogels, Wound Care, EKG Piggyback	Thermoformable Good Stiffness Back Side Printable
Polyvinyl Chloride (PVC)	800-1000	Medical	Transdermal, Hydrogels, EKG	Thermoformable
Polyethylene (PE)	100-2300	Tape Medical Industrial	One/Two Side, Transfer Wound Care, Hygiene Construction Gasket, Automotive	Tear Resistance Conformable High Yield

*Represent typical performance properties and should not be used for specification purposes

Contact your Saint-Gobain Performance Plastics representative for more information.



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