

Pregis PolyMask Protective Film

4179W



Technical Data

February, 2019

Product Description Pregis PolyMask Protective Film 4179W is a high adhesion temporary protection film designed for a variety of surface protection applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Sizes
	Polyethylene	Acrylic-Based	White*	Custom

* Contact your local Pregis PolyMask representative for additional information on colors.

Typical Physical Properties **Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.**

	Nominal Results	ASTM Test Method
Adhesion to Steel:	13oz./in. width (3.56 N/25 mm)	D-3330**
Tensile:	2500 PSI	D-882**
Elongation:	450%	D-882**
Total Tape Thickness:	4 mils (0.10 mm)	D-3653**

** ASTM test references modified per internal test methods.

- Features**
- Surface protection against dust, dirt, scratches and abrasion encountered in processing, handling, shipping and storage.
 - Stable adhesion levels resulting in good removability.
 - Transparent backing with excellent contact clarity.
 - Backing designed for good stamping and die-cutting.
 - High adhesion and coating weight will wet out on many substrates with a low surface energy.
 - Not intended for use in wet or damp application, including porous substrates recently installed with wet adhesive.

- Application Ideas**
- **Fabrics** – carpets and textiles/fabrics made from synthetic fibers with no stain release coatings.
 - **Plastics** – medium/heavy textured flat/satin-gloss.
 - **Metals** – heavy textured flat-gloss.

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Application / Removal Techniques

- Avoid exposure to direct UV sunlight and moisture.
- For optimum performance, Pregis PolyMask Protective Films should be applied and removed at a temperature not less than 60°F (16°C).
- Surfaces should be dry and free from dirt, oil and other contaminants when film is applied.
- Protective film should be removed gradually beginning from one edge with a smooth even motion.
- It is generally suggested that 4179 not be used in metal forming applications.
- For use on natural or wool fibers, user should determine if suitable for specific application.
- Prolonged applied use of 4179 on horizontally installed carpet flooring, that will be subjected to foot or mechanical traffic should be avoided.
For these typed applications the following applied life guidelines should be followed.
- For heavy foot or mechanical traffic: Remove film after one week.
- For moderate foot or mechanical traffic: Remove film after two weeks.
- For light foot or mechanical traffic: Remove film after three weeks.

Special Application Instructions for application involving carpet and concrete/cement.

Concrete subfloors must be pretested for moisture vapor emissions prior to adhesive installations since drying/curing conditions may not be sufficient to prevent entrapped moisture vapor from the floor to pass through to the carpet's surface and interact with the protective film, possibly, causing adhesive residue and carpet discoloration. Generally available guidelines indicate that an emissions rate of less than 3.0 lbs. over 1000 sq. ft. is acceptable unless specified otherwise by the carpet manufacturer.

Obtain carpet manufacturer's instructions on moisture levels in concrete before proceeding with applying pads or wet adhesives. Follow wet adhesive manufacturer's instructions to provide adequate ventilation and drying time prior to installing the carpet. Generally available guidelines indicate that fresh air ventilation must be maintained for 48-72 hours at 65-95°F (18-35°C) @ a maximum of 65% relative humidity.

Do not use protective film over carpet or pads that have been installed with the requirement that the adhesive still be wet.

It is generally suggested that protective films not be applied to the carpet until moisture testing of concrete floor is within the carpet manufacturer's guidelines, the wet adhesive has been allowed to dry and the carpet has been installed for at least two weeks with adequate ventilation per guidelines suggested.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H in the original carton.

Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-844-232-6783. Address correspondence to: Pregis PolyMask, 500 Thornburg Dr., Conover, NC 28613.

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4179



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