S I L I C O N E S

Silcolease® PC-605

UV/EB "Monocomponent" Epoxy Silicone Polymer System

Product Description

Silcolease® PC-605 UV/EB "Monocomponent" silicone polymer system is a 100% reactive "ready to use" release coating chemistry based on epoxy-silicone copolymer technology. It consists of an optimized "low release" pre-blend of Silcolease® PC-600 UV/EB silicone polymer and Silcolease® PC-670 UV/EB CRA-minus release modifier, and it is pre-catalyzed with the unique chemistry of our patented Rhodorsil® Photoinitiator 2074.

When coated using standard solventless coating techniques, the PC-605 "Monocomponent" silicone polymer system is intended for use as a release surface on a wide selection of papers and films, and against a wide range of adhesive materials. Rapid and stable cure with excellent anchorage to paper and film is achieved by simply passing the coating under high-intensity ultraviolet light (medium pressure mercury vapor bulbs) or electron beam irradiation.

Features

- Coater-ready chemistry
- Improved "immediate" UV/EB cure response

Benefits

- No mixing errors.
- No chemical handling.
- Easy inventory control.
- Process consistency.
- Improved product quality.
- Enhanced right-off-the-coater degree-of-cure.
- Minimized "backside transfer" to the liner.
- Improved "tandem coating" release stability.

FDA Status

PC-605, when properly used is currently permitted for indirect food contact under Sections 21CFR175.320, 21CFR176.170 and 21CFR176.180 of the Federal Resister. A Technical Service Representative should be consulted for information on proper use and curing conditions.

Typical Properties

Appearance	Clear liquid
Volatile Content	2.0 % maximum
Viscosity (cps)	300-400
Color (APHA)	100 maximum
Colormetric pH	6 - 7

Health and Safety

Material Safety Data Sheets are available upon request. The information within the Material Safety Data Sheet should not be interpreted as the sum total of all the protective measures to be taken when using a radiation curable silicone system. Standards of ventilation, toxicity, and fire prevention should be consulted to adequately utilize the data contained in the MSDS. Consult your Rhodia Sales or Technical Service Representative for additional Product Stewardship information. DO NOT reuse these containers.

Shelf-Life

PC-605 has a nine-month shelf life from date of manfuacture when stored in its sealed, original container. Once opened, all containers should remain capped whenever not in actual use.

NOTE: When establishing product specifications, contact Rhodia Inc. for technical assistance

Rhodia

Silicones North America

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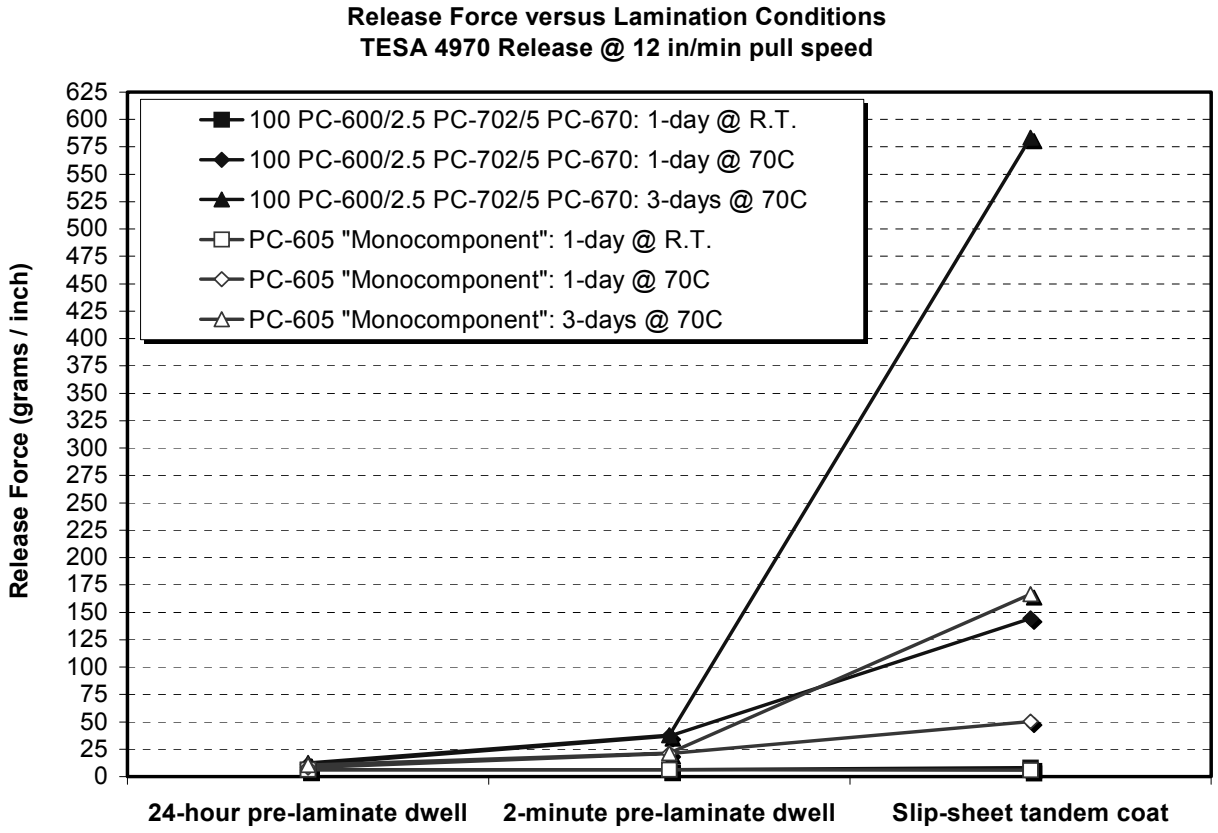
Release Performance

Graph 1.



Packaging

PC-605 is available in 40-lb and 440-lb containers.

Technical Service & Ordering

Technical assistance and placement of orders may be directed to:

Rhodia Inc.
PO Box 11674
911 East White Street
Rock Hill, SC 29731
Phone: 803-329-5260
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