



Technical Data Sheet

SYL-OFF™ SL 210 Release Coating

FEATURES & BENEFITS

- Solventless
- Fast cure for liner
- Slippery surface
- Low release force
- Provide stable release force
- Flexibility to use with controlled release additives
- Easy rewinding and non-blocking for double-sided liner

Base polymer component for SYL-OFF™ solventless silicone release coatings

APPLICATIONS

- Release liners for pressure sensitive adhesive laminations/label stock
- Coating for liners of technical adhesive tapes
- Single and double-sided industrial papers
- Non-stick packaging

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Type		Reactive siloxane polymer
Physical Form		Liquid
Appearance		Colorless
Active Ingredients	%	100
Viscosity at 25°C (77°F)	mPa.s	350±100
Density at 25°C (77°F)	g/cm ³	0.97

DESCRIPTION

SYL-OFF™ SL 210 Release Coating is one component of a multi-component silicone system designing for coating on paper substrate.

HOW TO USE

SYL-OFF SL 210 Release Coating must be blended with appropriate SYL-OFF™ crosslinkers and catalysts in order to use this product effectively.

BATH PREPARATION

The coating cures by an addition reaction in the presence of heat.

The following procedure is recommended for the preparation of a coating bath. Equipment should be clean and dry, preferably constructed from stainless steel or glass.

1. Add crosslinker such as SYL-OFF™ SL 12 Crosslinker and blend thoroughly.
2. Add catalyst such as SYL-OFF™ 4000 Catalyst and blend thoroughly again.
3. The following formulation is recommended as a starting point:

Component	Parts by Weight
SYL-OFF SL 210 Coating	100
SYL-OFF SL 12 Crosslinker	3.4-4.7
SYL-OFF 4000 Catalyst	1.2-1.5

4. Optional to add HRA or LRA to Modify release force performance.

BATH LIFE

The life of the formulated bath viscosity varies considerably with the specific formulation, and the temperature of the surroundings. Under 25°C the bath should still be usable within 6 hours.

HANDLING PRECAUTIONS

Direct eye or skin contact may cause slight irritation, which can be relieved by flushing the eye with water for 15 minutes. It is recommended that safety glasses and rubber or plastic gloves be worn when handling this product.

**PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED IN
THIS DOCUMENT. BEFORE
HANDLING, READ PRODUCT
AND SAFETY DATA SHEETS
AND CONTAINER LABELS FOR
SAFE USE, PHYSICAL AND
HEALTH HAZARD
INFORMATION. THE SAFETY
DATA SHEET IS AVAILABLE ON
THE DOW WEBSITE AT
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OR FROM YOUR DOW SALES
APPLICATION ENGINEER, OR
DISTRIBUTOR, OR BY CALLING
DOW CUSTOMER SERVICE.**

USABLE LIFE AND STORAGE

When stored at or below 30°C (86°F) in the original unopened containers, this product has a usual life of 24 months from the data of production.

PACKAGING INFORMATION

SYL-OFF SL 210 Release Coating is available in pail packaging of 20 kg and drum packaging of 200 kg.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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