



Technical Data Sheet

SYL-OFF™ SL 240 Coating

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

Features & Benefits

- Solventless
- Fast cure for liner
- Provide stable release force
- Low Pt concentration

Applications

- Release liners for pressure sensitive adhesive laminations/label stock
- Coating for liners of technical adhesive tape
- 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
Chemical nature		Reactive siloxane polymer
Physical form		Liquid
Appearance		Colorless
Active ingredients	%	100
Viscosity at 25°C (77°F)	mPa.s	420
Density at 25°C (77°F)	g/cm ³	0.97

Description

Recommendations about how to use and formulate this product with other SYL-OFF™ materials can be obtained from Dow.

How To Use

SYL-OFF™ SL 240 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, and preferably constructed from stainless steel or glass.

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SYL-OFF™ SL 240 Coating

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Bath Preparation (Cont.)

1. Add crosslinker such as SYL-OFF™ 7682-055 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 240 Coating	100
SYL-OFF 7682-055 Crosslinker	3.0–3.4
SYL-OFF 4000 Catalyst	0.8–1.0

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 WWW.CONSUMER.DOW.COM, 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 date of production.

Packaging Information

Available in a variety of container sizes including bulk totes, drums and sample pails.

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.

<http://www.syloff.com>

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