



Technical Data Sheet

SYL-OFF™ SB 9186 Coating

FEATURES & BENEFITS

- Solvent based
- Fast cure for liner
- Low release force with low migration
- Provide stable release force
- Easy rewinding and non-blocking issue

Base polymer component for SYL-OFF™ solvent based silicone release coatings

APPLICATIONS

- Release liners for die-cutting application
- Coating for liners of technical adhesive tapes/label stock
- Single and double-sided industrial film
- Non-stick packaging

TYPICAL PROPERTIES

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

Test	Unit	Result
Type		Reactive siloxane polymer liquid
Physical form		
Appearance		Clear to slight hazy
Active ingredients	%	71
Viscosity at 25°C (77°F)	mPa.s	1600±800
Density at 25°C (77°F)	g/cm ³	0.97
Flash point close cup	°C	5

DESCRIPTION

SYL-OFF™ SB 9186 Coating is one component of a multi-component silicone system designing for coating on filmic substrate.

HOW TO USE

SYL-OFF SB 9186 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 anchorage additives and crosslinker such as SYL-OFF™ 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™ SB 9186 Coating	100
Dilute solvent	100~200
SYL-OFF™ SL 9176	0.4
Anchorage Additive	
SYL-OFF™ SL 7028	1.1~1.35
Crosslinker	
SYL-OFF™ 4000 Catalyst	1.9

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

BATH LIFE

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

HANDLING

PRECAUTIONS

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 usable life of 12 months from the date of production.

PACKAGING INFORMATION

SYL-OFF SB 9186 Coating is available in pail packaging of 18 kg and drum packaging of 160 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.

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