



Technical Data Sheet

SYL-OFF™ SL 18 Release Modifier

FEATURES

- Provide stable release force of siliconized liner
- Efficient release modification for low temperature cure PEK paper
- Easy formulation and disperse in silicone base polymer
- Very effective for high release force adjustment at low addition level of release modifier
- Impact release force at both low and high release peeling speed

COMPOSITION

- Organofunctional siloxane polymer

Solvent free silicone release coating modifier

APPLICATIONS

- Release coating for pressure sensitive laminate/label stock
- Release coating for single- and double-sided industrial release substrates
- Coating for liners of technical adhesive tapes
- Non-stick packaging

TYPICAL PROPERTIES

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

Property	Unit	Result
Form		Liquid
Chemical Nature		Reactive siloxane polymer
Appearance		Clear to slightly haze liquid
Active Ingredient	percent	100
Specific Gravity at 25°C (77°F)	g/cm ³	1.00
Viscosity at 25°C (77°F)	cs	750
Flash Point, Closed Cup, Minimum	°C (°F)	>100 (>212)

DESCRIPTION

SYL-OFF™ SL 18 Release Modifier is one component of a multi-component silicone release coating system designed for coating onto paper substrates.

More detailed information about the use of SYL-OFF SL 18 Release Modifier and other SYL-OFF™ materials can be obtained from the Technical Service group.

HOW TO USE

To use this product effectively, it must be blended with the appropriate SYL-OFF™ coatings, catalysts, and crosslinkers.

FORMULATION

The following formulation is recommended as a starting point:

<u>Component</u>	<u>Parts by Weight</u>
SYL-OFF™ SL 200 Coating	70
SYL-OFF™ SL 18 Release Modifier	30
SYL-OFF™ SL 7028 Crosslinker	2.6
SYL-OFF™ 4000 Catalyst	2.0

HANDLING

PRECAUTIONS

Direct contact with eyes and skin may cause slight irritation, which can be relieved by flushing with water for 15 minutes. In the case of eye contact, seek medical attention. Rubber gloves and safety glasses should be worn when handling this product. Do not breathe spray or mist.

**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 35°C (95°F),
in the original unopened containers,
this product has a usable life of 18
months from the date of manufacture.

PACKAGING INFORMATION

This product is available in a variety
of container sizes.

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.

Dow's sole warranty is that our
products will meet the sales
specifications in effect at the time of
shipment.

Your exclusive remedy for breach of
such warranty is limited to refund of
purchase price or replacement of any
product shown to be other than as
warranted.

**TO THE FULLEST EXTENT
PERMITTED BY APPLICABLE
LAW, DOW SPECIFICALLY
DISCLAIMS ANY OTHER
EXPRESS OR IMPLIED
WARRANTY OF FITNESS FOR A
PARTICULAR PURPOSE OR
MERCHANTABILITY.**

**DOW DISCLAIMS LIABILITY
FOR ANY INCIDENTAL OR
CONSEQUENTIAL DAMAGES.**

www.syloff.com



®Trademark of The Dow Chemical Company