



Technical Data Sheet

SYL-OFF™ SL 9156 Release Modifier

Solvent-free release coating modifier for polyester substrates

Features & Benefits

- Solvent-free
- Stable release
- High release force possible at low addition levels of release modifier
- Impacts both low- and high-speed release
- Compatible with SYL-OFF™ SL 9106 Coating
- Suitable for lamination with water based acrylic adhesives
- Formulated without platinum catalyst
- Contains alpha olefin
- Used on “in-line” lamination processes and off-line siliconization
- Designed for use with SYL-OFF™ SL 9176 Anchorage Additive
- When used with SYL-OFF SL 9176 Anchorage Additive:
 - Excellent anchorage to a wide range of both primed and unprimed polyester films
 - Excellent long-term anchorage

Applications

- Release modifier for filmic pressure sensitive laminate/labelstock
- Release modifier for single and double-sided industrial polyester release films
- Release modifier for liners of polyester technical adhesive tapes

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		Colorless to pale yellow liquid
Active ingredients	%	100
Density at 25°C (77°F)	g/cm ³	0.99
Viscosity at 25°C (77°F)	mPa.s	750

Description

SYL-OFF™ SL 9156 Release Modifier is one component of a multi-component silicone release system designed for coating on polyester substrates.

How to Use

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

Formulation

The following formulation is recommended as a starting point:

Component	% by Weight		
SYL-OFF™ 9106 Coating	49.1	48.7	46.3
SYL-OFF™ 9156 Release Modifier	40.0	40.0	40.0
SYL-OFF™ 9176 Anchorage Additive	2.0	2.0	2.0
SYL-OFF™ 7689 Crosslinker	6.6		
SYL-OFF™ 7028 Crosslinker		7.0	
SYL-OFF™ 7682-055 Crosslinker			9.4
SYL-OFF™ 4000 Catalyst	2.3	2.3	2.3

More detailed information about the use of SYL-OFF™ SL 9156 Release Modifier and other SYL-OFF™ materials can be obtained from the technical service group.

Food Contact Status

This product may comply with certain FDA, BGvV, Kosher or other regulatory agency requirements for food-contact applications. Contact your local Dow representative for current compliance information.

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 DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

SYL-OFF™ SL 9156 Release Modifier has a shelf 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. Contact your local Dow Customer Service Representative for information about container sizes available in your area.

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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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