



Technical Data Sheet

SYL-OFF™ SL 181 Coating

Solvent-free silicone release coating for flat release.

Features & Benefits

- Fast curing
- Provides extremely stable release
- Low release force across a variety of peel speeds
- Excellent mist reduction, minimizes mist at high line speeds
- Solvent-free
- Can be used at low Pt levels
- Low cure temperature
- Flexibility in formulating and inhibitor choice

Applications

- Release coating for pressure sensitive laminate, non stick packaging, coatings for liners of technical adhesive tapes
- Release coating for industrial release papers
- Release coating for high speed die-cutting and label dispensing

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 liquid
Active ingredient	%	100
Specific gravity at 25°C (77°F)	g/cm ³	0.98
Viscosity at 25°C (77°F)	cS	240

Description

SYL-OFF™ SL 181 Coating is one component of a multicomponent silicone release coating system.

How to Use

In order to use this product effectively, it must be blended with the appropriate SYL-OFF™ release modifiers, catalysts and crosslinkers. It is recommended that the following formulations be used as a starting point for SYL-OFF™ SL 181 Coating.

Component	Parts by weight		
SYL-OFF™ SL 181 Coating	90.78	92.61	94.22
SYL-OFF™ SL 11 Crosslinker	8.64		
SYL-OFF™ 7682-055 Crosslinker		6.43	
SYL-OFF™ SL 7028 Crosslinker			4.83
SYL-OFF™ 4000 Catalyst	0.58	0.96	0.96

More detailed information about the use of this SYL-OFF™ material and other SYL-OFF™ materials can be obtained from the technical service group.

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

When stored at or below 35°C (95°F), in the original unopened containers, this product has a usable life of 24 months from the date of production.

Limitations

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

Food Contact Status

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

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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