



## Technical Data Sheet

### SYL-OFF™ SL 701W Coating

Solvent-free silicone release polymer coating

#### Features & Benefits

- Solvent-less
- Fast cure and low temperature cure
- Good anchorage
- Relatively low silicone migration

#### Applications

- Release coating for waterproof membrane roll with polyethylene substrate
- Release coating for waterproof membrane roll with polyester substrate
- Release coating for technical adhesive tapes

#### Typical Properties

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

Property	Unit	Result
Physical Form		Liquid
Appearance		Clear
Active Ingredients	%	100
Density at 25°C (77°F)	g/cm <sup>3</sup>	0.97
Viscosity at 25°C (77°F)	mPa.s	90–110

#### Description

SYL-OFF™ SL 701W Coating is a platinum catalyzed type solvent less silicone release, which could provide fast cure, good anchorage, stable release force and low silicone migration in PE/PET substrate in waterproof membrane roll application.

#### How to Use

This product must be blended with the appropriate SYL-OFF™ catalysts, crosslinkers and anchorage additives. The following formulation is recommended for PE substrate as below chart:

Component	Parts by weight
SYL-OFF™ SL 701W Coating	100
SYL-OFF™ 7682-055 Crosslinker	4.6
SYL-OFF™ SL 9176 Anchorage Additive	1.0
SYL-OFF™ 4000 Catalyst	1.8–2.4

**How to Use (Cont.)**

- Recommended cure condition is 110°C for 10 seconds with PE substrate.
- 5-roller technic coating technic are applicable in production line.
- Noted: for PET substrate, catalyst could be decreased to 1.2 in 100 parts with relatively high cure temperature setup from 130–150°C.
- More detailed information can be obtained from the Local Technical Service Group.

**Bath Life**

The life of the formulated bath varies considerably with the specific formulation, and the temperature of the surroundings. Under normal bath condition at room temperature the bath should be used up within 4 hours.

**Food Contact Status**

This product may comply with certain FDA, BGvV or other regulatory agency requirements for food-contact applications. Contact your local 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 701W Coating has a shelf life of 24 months from the date of production.

**Packaging Information**

Available in a variety of container sizes including IBC, drums and sample pails. Contact your local 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](http://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.

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