

SilForce™ SL6040

SilForce* SL6040 Release Coating

Description

SL6040-D1 release coating is the inhibitor designed for use with SL6000-D1, SL6100-D1 and other addition curing, thermal silicone release coating systems.

Key Features and Benefits

- Good bulk and thin film bath life
- Fast cure
- Good uniform coverage
- Flexibility in formulation

Potential Applications

The SL6000-D1 and SL6100-D1 systems of reactive silicone polymers are intended for use as release coatings on paper and plastic substrates used in the manufacture of pressure sensitive tapes and labels. One- and two-sided constructions are possible.

Typical Physical Properties

PROPERTY	VALUE
Type/use	Inhibitor
Specific Gravity, 25°C (77°F)	1.07

Density, lbs./gal.	8.9
Flash Point, closed cup, °C (°F)	123 (253)
Refractive Index	1.4664

Patent Status

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Product Safety, Handling and Storage

The warranty period for SL6040-D1 release coating is 12 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at 25°C (77°F) or below.

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Processing Recommendations

See Momentive Performance Materials Application Guide on the SL6000-D1 or SL6100-D1 solventless release coating systems.

Limitations

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Specifications

FDA STATUS

The SL6000-D1 and SL6100-D1 multi-component systems without a tight release polymer comply with the following FDA regulations:

- 175.320, resinous and polymeric coatings for polyolefin films
- 176.170, components of paper and paperboard in contact with aqueous and fatty foods
- 176.180, components of paper and paperboard in contact with dry foods for use as release surfaces for pressure sensitive adhesives.

Consult these regulations for limitations of use with respect to platinum content, food type and use conditions. Tight release polymers (SL6030, SL6130, SL5030, SL6635) may only be used as release coatings for pressure sensitive adhesives under regulation 176.180.

Availability

SL6040-D1 release coating may be ordered from Momentive Performance Materials, Waterford, NY 12188, the Momentive Performance Materials Sales office nearest you or an authorized Momentive Performance Materials product distributor.

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For literature and technical assistance, visit our website at: www.momentive.com

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