

SilForce™ SL6020

SilForce* SL6020 Release Coating

Description

SL6020-D1 release coating is a reactive polysiloxane copolymer used to cure either SL6000-D1/SL6010-D1 or SL6100-D1/SL6110-D1 release coatings.

Key Features and Benefits

- Fast, low temperature cure
- Stable release values
- Reduced oven dusting

Typical Physical Properties

| PROPERTY | VALUE |
|-----------------------------------|----------------|
| Viscosity, cps, 25°C (77° F) | 35-40 |
| Specific Gravity, 25°C (77° F) | .98 |
| Density, lbs./gal. | 8.17 |
| Flash Point, closed cup, C° (F°) | > 93.3 (> 200) |

Potential Applications

The SL6000-D1 and SL6100-D1 release coating 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.

Patent Status

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Product Safety, Handling and Storage

The warranty period for SL6020-D1 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 and SL6100-D1 solventless release coating systems.

Limitations

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Specifications

FDA STATUS

The SL6000-D1 and SL6100-D1 multi-component release coating 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) may only be used as a release coating for pressure sensitive adhesives under regulation 176.180.

Availability

SL6020-D1 may be ordered from Momentive Performance Materials, Waterford, NY,

12188, the Momentive Performance Materials sales office nearest you or an authorized Momentive Performance Materials distributor.

Contact Information

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

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