

LSR Topcoat

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Description

LSR Top Coat is a two-component low friction, protective translucent matte coating for consideration in applications such as respiratory face masks or orthopaedic devices, industrial seals or keypads. This material can be applied by spraying, brushing or dipping on surfaces that are dust and grease free but otherwise untreated. The LSR Top Coat can be cured very quickly at high temperatures (100°C to 180°C) in a ventilated hot-air oven.

Key Features and Benefits

- Provides translucent matte finish coating
- Good adhesion to Momentive's Silicones elastomer substrates
- Reduces the surface coefficient of friction (COF) of silicone elastomer substrates
- Reduces surface tackiness of RTV substrates
- Reduces surface dust pick up
- VOC (Volatile Organic Compound) free
- Biocompatible (USP Class VI requirements)
- Can be colored by using silicone compatible pigments
- Elastic properties may reduce the risk of microcracking on elastomeric surfaces under mechanical stress

Typical Physical Properties

Properties		Typical Data	
Color		Translucent matte finish coating	
Brookfield Viscosity 1 cp		~1600 cP-sec.	
Specific Gravity @ 25°C, gms / cc		1.03	
Pot Life of 1:1 Ratio Mixture @ 25°C ^[1]		~4-6 hours	
Refractive Index		1.41	
Flow-cup Viscosity	DIN EN ISO 2431 at 20°C	30-40 sec.	ca. 33

Abrasion Resistance	Norman Tool Tester. 175 g. paper, continuous mode, at 80 μ dry film thickness	cycles	80-100
<p>[1] The pot life of the mixture can be increased to 2-3 days if the mixture is kept well below room temperature. Apply the coating immediately after mixing to avoid viscosity build up and ingredient settlement over time. The pot life of the mixture of the two components {mixing ratio 1:1} at 20°C is three days. Increased temperature reduces the pot life.</p>			

Potential Applications

Typical applications for consideration are cell phone covers, consumer and healthcare grips and handles, connector seals, automotive interior applications, and any other area where the bulk properties of silicone are desired coupled with a surface exhibiting a lower coefficient of friction.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

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

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