

LORD® LokRelease™ 300 Silicone-Free Mold Release

Description

LORD® LokRelease™ 300 mold release is a silicone-free release agent designed for use with molded rubber, fluoropolymer, plastic, and epoxy and plastic laminates. This water-based mold release has a very low coefficient of friction and provides a nontransferable and non-interfering anti-stick coating for fast, easy part removal from molds. LORD LokRelease 300 mold release is ideal for molding applications where a consistent release is desired, such as rotational mold internals.

Features and Benefits

Process Enhancer – provides quick, easy part release; produces low build-up, allowing more production time between mold cleanings; improves mold efficiency in many processes including injection, compression and transfer molding of most rubber compounds including silicone.

	Pure Elastomer	Elastomer-to-Metal
Injection	•	•
Compression	•	•
Transfer	•	•

Improved Appearance – reduces defects caused by sticking; nontransferable, eliminating post-finishing problems.

Environmentally Recommended – water-based coating is engineered to prevent rust and corrosion in steel molds.

Application

Surface Preparation – Thoroughly clean, rinse and dry molds prior to application.

Mixing – Thoroughly stir mold release before use, and agitate sufficiently during use to keep dispersed solids uniformly suspended. Use a low rpm agitator on drums to prevent phase separation in the storage container.

Applying – LORD LokRelease 300 mold release must be applied to mold with surface temperature above 270°F (132°C). Apply mold release using low-pressure spray equipment that provides a fine mist.

Typical Properties*

Appearance	Opaque White Liquid
Specific Gravity	0.9-1.1
Solids Content by Weight, %	1.0-6.0

*Data is typical and not to be used for specification purposes.

LORD TECHNICAL DATA

Drying/Curing – It is not necessary to bake LORD LokRelease 300 mold release coating, however increased performance can be achieved by baking coating onto the mold's surface for 5 minutes above 270°F (132°C).

If spot sticking occurs after molding, mold release coating can be "touched-up" by spraying LORD LokRelease 300 mold release directly on the sticking area and allowing time for material to cure before re-molding.

Cleanup – If necessary, mold release coating can be removed from mold surface by gentle-abrasive (plastic) bead blasting.

Shelf Life/Storage

Shelf life is two years from date of manufacture when stored in a cool, dry, well-ventilated area in original, unopened container. Do not freeze product. Keep container closed when not in use.

Cautionary Information

Before using this or any LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

Information provided herein is based upon tests believed to be reliable. In as much as LORD Corporation has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, LORD Corporation does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

LORD, LokRelease and "Ask Us How" are trademarks of LORD Corporation or one of its subsidiaries.

LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide ... Ask Us How.

LORD Corporation World Headquarters

111 Lord Drive
Cary, NC 27511-7923
USA

Customer Support Center (in United States & Canada)

+1 877 ASK LORD (275 5673)

www.lord.com

For a listing of our worldwide locations, visit LORD.com.

©2016 LORD Corporation OD DS4294 (Rev.1 9/16)

LORD
AskUsHow™