

LORD® LokRelease™ 300 Silicone-Free Mold Release

Technical Data Sheet

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.

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.

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.

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 Parker 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 document 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.

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