

LORD® LokRelease™ 100 Mold Release

Technical Data Sheet

LORD® LokRelease™ 100 mold release is a fast curing release agent designed for use with molded elastomers, including EPDM, natural rubber, nitrile and neoprene. It provides a semi-permanent, anti-stick surface coating for fast, easy part removal from molds.

Features and Benefits:

Process Enhancer – provides quick, easy part release from molds; single application allows multiple molding cycles; improves molding efficiency in many processes including injection, compression and transfer molding.

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

Improved Appearance – reduces defects caused by sticking; nontransferable to elastomer compound; does not interfere with compound chemistry.

Environmentally Recommended – contains no Class I or Class II ozone depleting substances; contains no 1,1,1 trichloroethane or methylene chloride.

Application:

Surface Preparation – Remove mold release residue and other contaminants from surface of the mold prior to application.

Applying – Apply two or three light coatings of mold release on entire mold surface using a fine mist spray. Mold release can be applied to either hot or cold molds.

Drying/Curing – LORD LokRelease 100 mold release will quickly bond to heated mold surfaces [$\geq 150^{\circ}\text{F}$ (66°C)] within 5 minutes. Mold release will bond at room temperature if allowed to cure on mold surfaces for 1-2 hours before molding process.

If spot sticking occurs after molding, mold release coating can be “touched-up” by spraying LORD LokRelease 100 mold release directly on the sticking area and allowing time to cure.

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

Shelf Life/Storage:

Shelf life is three years from date of manufacture when stored at room temperature [77°F (25°C)] in original, unopened container. Do not store or use near heat, sparks or open flame. Keep container closed when not in use.

Typical Properties*

Appearance	Colorless Liquid
Density lb/gal (g/cm ³)	6.43 (0.77)
Flash Point, °F (°C) Pensky-Martens	53 (11)
Dispersing Medium	Solvent

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

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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