

Michem® Lube 190

BRAND FAMILY OVERVIEW Michem® Lube is a versatile family of nanoscale wax emulsions, which are mostly carnauba and paraffin-based, used to improve processing and performance in many industries, as well as provide a wide array of surface properties.

USAGE Provides mar, rub, block, and scratch resistance, and improved water resistance in coatings and graphic arts formulations.

DESCRIPTION High density polyethylene emulsion

PERFORMANCE ATTRIBUTES This product is used in many applications including the following:

Market	Properties Imparted
Building Paints	<i>block resistance, durability, mar resistance, water resistance</i>
Concrete	<i>stain and dirt resistance</i>
Die Lubes & Mold Releases	<i>block resistance, lubricity, mold release</i>
Exterior Wood Protection	<i>durability, scratch resistance, water beading</i>
Furniture Polish	<i>mar resistance</i>
Industrial & Institutional	<i>abrasion resistance, block resistance, mar resistance, rub resistance, water resistance</i>
Inks	<i>block resistance, mar resistance, rub resistance, scratch resistance, water resistance</i>
Interior Furniture & Floor	<i>block resistance, durability, mar resistance, water resistance</i>
Leather	<i>block resistance, lubricity for needle and thread</i>
Maintenance Coatings	<i>block resistance</i>
OEM Applied Wood Protection	<i>abrasion resistance, block resistance, lubricity, scratch resistance</i>
Overprint Varnishes	<i>block resistance, gloss enhancement, mar resistance, overprints with heat resistance, rub resistance, scratch resistance, water resistance</i>
Thermal Transfer	<i>mar resistance</i>

Michem® Lube 190

PHYSICAL PROPERTIES

The following properties are typical but should not be considered specifications:

Appearance:	Amber, translucent liquid
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	34.5 - 35.5
Specific Gravity:	0.98 - 1.00
pH:	8.7 - 9.7
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	< 50
Spindle Number:	1
RPM:	60
Shelf Life (months) :	The product has a shelf life of 24 months from date of manufacture when storage and handling instructions are followed.

**SITE OF MANUFACTURE
(and PRODUCT CODE)**

USA (ML190), Belgium (ML190.E), Singapore (ML190.S)

STORAGE

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

HANDLING

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

Revised 10 August 2022

The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
- Food Contact Declaration of Compliance (if applicable)

Michem® Lube 190

Americas Michelman Inc. Tel: +1 513 793 7766 Fax: +1 513 793 2504	Luxembourg Michelman International SARL Tel: +352 26 39 44 1 Fax: +352 26 39 44 80	Singapore Michelman Asia-Pacific Pte. Ltd. Tel: +65 6861 2822 Fax: +65 6861 2262
China Michelman New Material (Shanghai) Co., Ltd. Tel: +86 21 3810 3800 Fax: +86 21 3810 3811	India Michelman Private Limited Tel: +91 22 6221 3800 Fax: +91 22 6221 3801/02	

The facts stated and the recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application for our products nor anticipate every variation encountered in manufacturing equipment and methods. The products discussed are sold without warranty, express or implied and Seller disclaims any warranty of merchantability or fitness for a particular purpose in connection with the purchase of its products. It is recommended that purchasers conduct their own tests to determine the suitability of such products for their particular purpose. Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use of or the inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent and our products are sold without warranty of non-infringement.

© 2024 MICHELMAN, INC. All rights reserved. ® Reg. U.S. Pat. TM Off.
All marks contained herein are registered or owned by Michelman, Inc.
Michelman is ISO 9001:2015 certified.