

Michem® Lube 160RPH

BRAND FAMILY OVERVIEW Michem® Lube is a versatile family of nanoscale wax emulsions, 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 APEO-free and formaldehyde-free slip additive made from renewable materials allowing to control the coefficient of friction. This additive enters the formulation of acrylics, PVdC and Michelman low temperature heat seal coatings without affecting bond strength, printability and barrier properties of the coatings. Michem® Lube 160 RPH fully complies with FDA and EU food contact regulations.

DESCRIPTION Slip and anti-block properties

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

Market	Properties Imparted
Functional Coatings	<i>block resistance, slip and lubricity</i>
Inks	<i>block resistance, chemical resistance, mar resistance, release, rub resistance</i>

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

Appearance:	Cream colored, opaque liquid
Freeze/Thaw Stability:	Stable
Non-Volatile (%) :	24.5 - 25.5
Specific Gravity:	0.99 - 1.01
pH:	4.0 - 7.5
Brookfield Viscosity (cps) :	< 15
Spindle Number:	1
RPM:	60
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

SITE OF MANUFACTURE (and PRODUCT CODE) USA (ML160RPH), Belgium (ML160RPH.E), Singapore (ML160RPH.S)

APPLICATION DATA To be used as additive.

Michem® Lube 160RPH

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

HANDLING Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

Revised 20 March 2017

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)

Americas

Michelman Inc.
Tel: +1 513 793 7766
Fax: +1 513 793 2504

China

Michelman New Material
(Shanghai) Co., Ltd.
Tel: +86 21 2098 6880
Fax: +86 21 2098 6881

India

Michelman Private Limited
(formerly known as
Michelman Chemicals Pvt Ltd)
Tel: +91 22 28672783
Fax: +91 22 28672784

Japan

Michelman Japan LLC
Tel: +81 3 45 80 14 90
Fax: +81 3 45 80 27 01

Luxembourg

Michelman 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

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.

© 2018 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.