

Michem® Lube 160 PFP

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 This phenol-free additive provides slip and anti-block properties when used in coatings for seeds, metal, wood and OPP films.

DESCRIPTION Anionic carnauba wax emulsion

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

Market	Properties Imparted
Automotive Care	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Building Paints	<i>block resistance, lubricity, mar resistance, release, scratch resistance</i>
Exterior Wood Protection	<i>block resistance, lubricity, mar resistance, release, scratch resistance</i>
Functional Coatings	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Furniture Polish	<i>block resistance, buffability</i>
Gloves	<i>block resistance</i>
Industrial Wood & Plastic	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Inks	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Interior Furniture & Floor	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Overprint Varnishes	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>
Textiles & Leather	<i>block resistance, buffability, lubricity, mar resistance, release, scratch resistance</i>

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PHYSICAL PROPERTIES	The following properties are typical but should not be considered specifications:	
Appearance:	Cream colored, opaque liquid	
Freeze/Thaw Stability:	Stable after 5 Cycles	
Non-Volatile (%) :	24.5 - 25.5	
Specific Gravity:	0.99 - 1.01	
pH:	4.0 - 7.5	
Recommended pH of your system:	1.0 - 12.0	
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 (ML160PFP), Belgium (ML160PFP.E), Singapore (ML160PFP.S)

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 28 November 2016

- 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)

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