

# Michem® Prime 4983-40R

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**BRAND FAMILY OVERVIEW** Michem® Prime functionalized copolymer dispersions deliver the flexibility, water and chemical resistance, and barrier properties of polyethylene in a water-based form. Property enhancements include excellent clarity, adhesion, lower heat seal temperature, durability, and crosslinkability.

**USAGE** Provides outstanding adhesion to metallic and cellulosic substrates and enhances the water, grease, oil and solvent resistance of coatings and adhesives and is a high solids, more economical version of Michem® Prime 4983R. . The adhesion properties of Michem® Prime facilitate its use as a primer for extrusion coatings. Utilizing this "tie coat" functionality, dissimilar materials can be combined to produce a substrate with the unique properties of each material.

**DESCRIPTION** Copolymer dispersion

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

Market	Properties Imparted
Cable & Cordage	<i>adhesion promotion, chemical resistance, heat seal, water resistance</i>
General Metal	<i>adhesion promotion, heat seal</i>
Leather	<i>adhesion promotion, heat seal</i>

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

Appearance:	White, viscous liquid
Emulsifier Charge:	Ammoniated dispersion
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	39.0 - 41.0
Specific Gravity:	0.97 - 0.99
pH:	7.4 - 8.4
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	1000 - 4000
Spindle Number:	3
RPM:	30
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 (MP498340R), Belgium (MP498340R.E), Singapore (MP498340R.S)

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**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.

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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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