

# Michem® Prime 4983R

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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** This dispersion provides outstanding adhesion to both metallic and cellulosic substrates and enhances the water, grease, oil, and solvent-resistance of coatings and adhesives. It can serve as a tie coat or primer for extrusion coatings, a foil laminate, specialty paper coating, paper sizing agent, heat sealable coating, and a nonwoven binder, and used as a thermally active binder in thermal transfer release coatings.

**DESCRIPTION** Copolymer dispersion

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

Market	Properties Imparted
Cable & Cordage	<i>fiber treatment</i>
Heat Seal Coatings	<i>grease &amp; oil resistance, heat seal, metal, moisture resistance, Substrate - paper</i>
Leather	<i>adhesion promotion, chemical resistance, fiber sizing, heat seal</i>
Thermal Transfer	<i>release</i>

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

Appearance:	Translucent liquid
Emulsifier Charge:	N/A
Freeze/Thaw Stability:	Stable after 5 Cycles
Non-Volatile (%) :	24.2 - 25.4
Specific Gravity:	0.97 - 0.99
pH:	8.4 - 9.4
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	50 - 400
Spindle Number:	2
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.

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**SITE OF MANUFACTURE (and PRODUCT CODE)** USA (MP4983R), Belgium (MP4983R.E), Singapore (MP4983R.S)

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

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**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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