

# Michem® Prime 4983R

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

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

**DESCRIPTION** Ethylene acrylic acid dispersion

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

<b>Market</b>	<b>Properties Imparted</b>
Cable & Cordage	<i>fiber treatment</i>
Die Lubes & Mold Releases	<i>adhesion promotion, chemical resistance, heat seal, lubricity, thermal transfer release</i>
Fiber Sizing	<i>PE compatible</i>
Heat Seal Coatings	<i>metal, Substrate - paper</i>
Inks	<i>adhesion promotion, chemical resistance, heat seal, thermal transfer release, adhesion promotion, chemical resistance, heat seal, thermal transfer release</i>
Nonwovens	<i>heat seal for binders</i>
Overprint Varnishes	<i>adhesion promotion, chemical resistance, heat seal, thermal transfer release</i>
Textiles & Leather	<i>adhesion promotion, chemical resistance, fiber sizing, heat seal</i>
Thermal Transfer	<i>release</i>

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**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.

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

USA (MP4983R), Belgium (MP4983R.E), Singapore (MP4983R.S)

**STORAGE**

Keep container tightly closed. 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.

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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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