

Michem® Prime 4990R

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:

Market	Properties Imparted
Cable & Cordage	<i>adhesion promotion, heat seal, water resistance</i>
Heat Seal Coatings	<i>metal, Substrate - paper</i>
Inks	<i>adhesion promotion, chemical resistance</i>
Overprint Varnishes	<i>adhesion promotion, chemical resistance</i>
Thermal Transfer	<i>release</i>

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

Appearance:	White liquid
Emulsifier Charge:	Ammoniated dispersion
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	32.0 - 35.0
Specific Gravity:	0.98 - 1.00
pH:	7.8 - 8.8
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	200 - 850
Spindle Number:	3
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.

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SITE OF MANUFACTURE (and PRODUCT CODE) USA (MP4990R), Belgium (MP4990R.E), Singapore (MP4990R.S)

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

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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