

# Michem® Prime 5931

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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 improved adhesion to polyolefin substrates and also exhibits excellent adhesion to paper, metallic and polymeric substrates as well as glass and polyester scrim. It can serve as a tie coat or primer and increases printability on metallic and polymeric substrates. It can be used as a heat sealable coating on most polymeric films, paper and foil. Patents Pending.

**DESCRIPTION** Modified 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</i>
Fiber Sizing	<i>PE compatible</i>
Inks	<i>adhesion promotion, chemical resistance</i>
Nonwovens	<i>adhesion, heat seal for binders</i>
Overprint Varnishes	<i>adhesion promotion, chemical resistance</i>
Textiles & Leather	<i>adhesion promotion, heat seal</i>

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

Appearance:	White translucent liquid
Emulsifier Charge:	N/A
Freeze/Thaw Stability:	None: protect from freezing
Non-Volatile (%) :	27.5 - 29.0
EZ Cup Viscosity (sec) :	8 - 13
Cup Number:	3
Specific Gravity:	0.99 - 1.01
pH:	8.0 - 10.0
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	< 100
Spindle Number:	1
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 (MP5931), Belgium (MP5931.E), Singapore (MP5931.S)

**APPLICATION DATA** Michem®Prime 5931 can be applied by flexographic or rotogravure coating methods. A typical application rate of 1-2 gsm dry coating weight is recommended for most heat seal applications. As a tie coat or print primer application rates of 0.2 to 0.5gsm are usually sufficient. EZ Cup Viscosity = 8 - 13seconds, #3 Cup.

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

**HANDLING** Ensure adequate ventilation. 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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