

Michem® Prime 5931

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, adhesion promotion, chemical resistance</i>
Nonwovens	<i>heat seal for binders</i>
Overprint Varnishes	<i>adhesion promotion, chemical resistance</i>
Textiles & Leather	<i>adhesion promotion, heat seal</i>

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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.	

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

HANDLING Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

Revised 06 December 2016

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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