



ACRYGEN® 87219
Self-crosslinking acrylic latex

AcryGen 87219 acrylic latex emulsion is self-crosslinking with balance of tensile and elongation properties. It delivers excellent resistance to heat, light and solvent attack. Recommended uses of **AcryGen 87219** binders include pigmented and filled coatings, nonwovens, textiles, laminates, flocking and paper saturation.

AcryGen 87219 is compatible with **Secoat** and **SunCryl** release coatings.

TYPICAL PROPERTIES

PHYSICAL PROPERTIES

Type	Acrylic emulsion
Solids	45%
pH	3.0
Brookfield Viscosity	<300 cps (RVT #2 spindle at 60 rpm, 25°C)
Surface Tension	40 dyn/cm
Glass Transition Temperature	-16°C
Color	White

CHEMICAL/MECHANICAL PROPERTIES

Mechanical Stability	Excellent
Ionic Character	Anionic

FILM PROPERTIES

Drying above the minimum film-forming temperature leaves a clear, colorless film, which is firm and tack-free at room temperature. Complete crosslinking is achieved by heating above 135°C. A fully crosslinked film is insoluble in water, as well as most acids, alkalis and organic solvents.

Ultimate Elongation, Cured	510%
Ultimate Elongation, Air Dry	940%
Tensile Strength, Cured	570 psi
Tensile, 100% Elongation	70 psi
Tensile, 300% Elongation	300 psi
Tensile, 500% Elongation	550 psi
Tensile, Air Dry	670 psi
Water Resistance	1% swell
Perchloroethylene Resistance	33% swell
Tetrahydrofuran Resistance	64% swell

FDA STATUS

Complies with 21 CFR 176.170 (Components of paper and paperboard in contact with aqueous and fatty food).

ACRYGEN 87219 ADVANTAGE

- Compatible with OMNOVA release coatings
- Excellent heat and UV stability
- Self-crosslinking with balance of tensile and elongation properties
- FDA 21 CFR 176.170



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APPLICATIONS

AcryGen 87219 can be applied by spraying, printing, nip padding, impregnating and roll or knife coating. It can be mechanically foamed.

It is compatible with many fillers. Pigmented coating compounds have optimum stability at pH 9. pH can be adjusted with ammonia.

AcryGen SD 15 thickener is recommended in alkaline systems. Methyl cellulose, carboxymethyl cellulose or hydroxyethyl cellulose are suitable thickeners in acidic systems.

Harder films can be obtained by adding **AcryGen 84124**.

Softer films are obtained by adding **AcryGen DV 242**.

HANDLING

This product is available in a tank truck, 2200 lb. tote, 480 lb. fiber drum or 460 lb. plastic drum.

Protect product from freezing. Recommended storage temperature is 70°F (22°C). When stored as recommended, the shelf stability of the product is twelve months.

As with all chemicals, please read the material safety data sheet (MSDS) prior to use. An MSDS for each OMNOVA product is provided with the shipment and periodically thereafter. An MSDS also may be obtained at any time by contacting your Customer Service Representative or by calling (888)253-5454.

To learn more about this product, or any other of OMNOVA Solutions' specialty chemicals, please contact us at:

Phone: (803)385-5181 • Email: pccustserv@omnova.com



RESPONSIBLE CARE
OUR COMMITMENT TO SUSTAINABILITY

NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, or whether such use will infringe the intellectual property rights of third parties.