

ENCOR® 163S

High Solids, All-Acrylic Binder for High-Performance Caulks

Product Benefits

ENCOR® 163S latex is a high solids, all-acrylic binder for high-performance caulks, sealants, and elastomeric coatings. ENCOR® 163S latex combines extraordinary adhesion properties, high pigment binding capacity, and excellent exterior durability. This unique combination of performance properties allows the formulator to prepare ASTM C 920 compliant, class A and B sealants.

Due to the inherently high pigment binding capacity of ENCOR® 163S latex, ASTM C 834 compliant formulations are now available with pigment-to-binder ratios as high as 5:1. Even higher pigment loading levels are being utilized in non-specification painters caulks.

Polymer Design

- Acrylic

Performance Benefits

- Extraordinary adhesion properties
- High pigment binding capacity
- Excellent exterior durability

Typical Polymer Properties¹

Total Solids, % by weight	58.0
Weight per Gallon, lb	8.6
pH Value	4.3
Particle Size, microns	0.3
Viscosity, 25°C, cP (Brookfield, RVT #6, 60 rpm)	300
Glass Transition Temperature, midpoint, °C	-11
Minimum Filming Temperature, °C	<0
Free Film, Tensile Maximum, psi	130
Elongation at Break, %	1300

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.



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Product Safety

Before handling the materials listed in this bulletin, read and understand the product MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information. For environmental, safety and toxicological information, contact our Customer Service Department at 1-866-837-5532 to find an MSDS, or visit our web site: www.arkemacoatingresins.com

No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

Arkema Coating Resins requests that the customer read, understand, and comply with the information contained in this publication and the current MSDS(s). The customer should furnish the information in this publication to its employees, contractors, and customers, or any other users of the product(s), and request that they do the same.

Storage and Handling

Follow procedures typically recommended for polymer dispersions. Use corrosion-resistant storage tanks and piping. Air-operated diaphragm pumps are preferred. Avoid temperature extremes. Do not freeze; store between 4-40°C.



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