

ENCOR® 9176

For Ambient Crosslinking Sealants

Product Benefits

ENCOR® 9176 latex is an ambient temperature crosslinking, styrene acrylic latex for sealants and other applications requiring a strong, flexible binder. In order to attain high levels of performance in sealants and other elastomeric applications, it is necessary to use a binder that imparts excellent elastomeric properties to the final formulated product. Conventional acrylic latex polymers have limited elastomeric properties because only a small amount of crosslinking between polymer chains can be achieved without interfering with film coalescence. The ambient temperature curing mechanism in ENCOR® 9176 latex enables a higher level of crosslinking than conventional acrylics providing an inherently durable and flexible binder for sealants and other elastomeric systems.

Polymer Design

- Ambient Curing Styrene Acrylic Latex

Performance Benefits

- Excellent adhesion to difficult substrates
- Excellent pigment binding capability for use at high pigment to binder (P/B) ratio
- Cures within several days to provide a very tough, low tack, clear polymer
- Curing may be accelerated with the application of heat
- Good exterior performance typical of an acrylic polymer with reduced dirt pickup
- Excellent hydrophobicity
- Low temperature flexibility

Typical Polymer Properties¹

Total Solids, % by weight	61.0
Viscosity, cP	500
pH Value	8.0
Particle Size, microns	0.35
Latex Weight, lb/gallon	8.65
Minimum Filming Temperature, °C	<0
Glass Transition Temperature, °C	-21

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



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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