

An Emerald Performance Materials Company

Nychem[®] 1572

Carboxylated and Heat Reactive, Acrylonitrile- Butadiene Latex

Medium Nitrile

DESCRIPTION

Nychem[®] 1572 is a Carboxylated and Heat Reactive, Medium-Nitrile, Acrylonitrile-Butadiene Latex. It utilizes a synthetic anionic surfactant enabling good chemical and mechanical stability. This provides the best formulating capabilities, machine runnability, and good wetting properties with reduced pH sensitivity great for binder and coating applications.

Versatile polymer latex can be used in adhesive, abrasive paper backing, saturant, and paper & textile coating applications. The medium acrylonitrile content provides good chemical, grease, and oil resistance combined with good tear and abrasion resistance. Also, it exhibits good flexibility and impact resistance. The functionality of this polymer contains both carboxylated and heat reactive elements for the best performance. The carboxylated functionality can be crosslinked internally or with the substrate using metal complexes, amino and phenol formaldehyde resins, and epoxies. The heat reactive functionality can self-crosslink at temperatures above 150°C. Additionally, toughness, abrasion, and chemical resistance can be further enhanced through vulcanization using a sulfur donor.

FDA Compliance 21 CFR 175.105 (Adhesives) and 21 CFR 177.2600 (Rubber articles intended for repeated use).

FEATURES

- Versatility
- Good flexibility and impact resistance
- Heat reactive self-crosslinking
- Carboxylation for improved adhesion and reactivity
- FDA 175.105 and FDA 177.2600 Compliant

END USE/APPLICATIONS

- Wet End Additives
- Binders & Saturants
- Paper & Textile coatings
- Adhesives
- Abrasive & Durable Papers

TYPICAL PROPERTIES

pH	6.8-to-7.6
Total Solids (Wt.%)	49-to-51
Brookfield Viscosity, cps.@ 25 °C	< 90
Surface Tension, dy/cm	35-to-55
Bound nitrile, %	30
Tg, °C	-30

HEALTH & SAFETY PRECAUTIONS

Read the Nychem 1572 Safety Data Sheet before handling, storing, or using this product.

STORAGE/HANDLING

Nychem latexes are aqueous dispersions of colloidal polymer particles. They are subject to freezing and to gelation. Frozen latex cannot be salvaged.

Gelation may occur at temperatures below 60 °F. Gelled latex should be placed in a heated room and warmed gradually. Gentle stirring after heating helps break the gel.

PACKAGING/DELIVERY

Nychem 1572 is available in drums, totes, and bulk shipments.



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To obtain samples of Nychem 1572, or any other Nychem product, please visit our website at www.cvcthermoset.com. To discuss your application please contact us directly at 888.889.9150.

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