

**An Emerald Performance Materials Company****Nychem® 1572X32  
Acrylonitrile-Butadiene Latex  
Medium Nitrile****DESCRIPTION**

Nychem® 1572X32 is a 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. A feature of this latex is smaller particle size for improved web penetration and faster drying for binder and adhesive applications.

As an additive for coal tar and asphalt based pavement sealing emulsions, Nychem 1572X32 helps build viscosity, adds flexibility, improves oil resistance, and improves cure rate. The medium acrylonitrile provides good chemical, grease, and oil resistance combined with good tear and abrasion resistance. Also, it exhibits good flexibility and impact resistance useful in binder and coating applications. The heat reactive functionality can self-crosslink at temperatures above 150°C allowing the polymer further enhance performance. Additional 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**

- Superior mechanical stability
- Good phenolic compatibility
- Good heat and light aging
- Small particle size for better web penetration
- Heat reactive self-crosslinking
- FDA 175.105 and FDA 177.2600 Compliant

**END USE/APPLICATIONS**

- Binders & Saturants
- Friction Paper Binders
- Asphaltic Emulsion/ Coal Tar Modifier
- Adhesives

**TYPICAL PROPERTIES**

pH	6-to-8
Total Solids (Wt.%)	46-to-48
Brookfield Viscosity, cps.@ 25 °C	< 100
Tg, °C	-30
Bound Nitrile, %	30

**HEALTH & SAFETY PRECAUTIONS**

Read the Nychem 1572X32 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 1572X32 is available in drums, totes, and bulk shipments.



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**Nychem<sup>®</sup> 1572X32**

To obtain samples of Nychem 1572X32, or any other Nychem product, please visit our website at [www.cvcthermoset.com](http://www.cvcthermoset.com). To discuss your application please contact us directly at 888.889.9150.

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