CVC Thermoset Specialties

An Emerald Performance Materials Company

TECHNICAL BULLETIN

Nychem® 1552
Acrylonitrile-Butadiene Latex
Medium Nitrile, High Solids

DESCRIPTION

Nychem® 1552 is a Medium-Nitrile, Acrylonitrile-Butadiene Latex. It utilizes a fatty acid stabilizer with improved resistance to rewetting. It can be used for controlled latex deposition in gasketing and beater addition applications. A feature of this latex is smaller particle size for improved web penetration and faster drying for binder and adhesive applications.

For coating applications, this polymer can improve water resistance and impart good flexibility. It is often used in conjunction with other compatible water based polymers. The medium acrylonitrile content provides good chemical, grease, and oil resistance combined with good tear and abrasion resistance. Also, it exhibits good durability and impact resistance useful in binder and saturant applications. Additional toughness, abrasion, and chemical resistance can be further enhanced though vulcanization using a sulfur donor.

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

FEATURES & BENEFITS

- High solids
- FDA 175.105 and177.2600 Compliant
- Good chemical and grease resistance
- Good flexibility and impact resistance
- Compatibility with PVC dispersions
- Small particle size for better web penetration
- Controllable latex deposition for wet end
- Good heat and light aging

END USE/APPLICATIONS

- Gasketing
- Wet End Additives
- Binders & Saturants
- Coatings

TYPICAL PROPERTIES

pH	10-to-11
Total Solids (Wt.%)	52-to-54
Brookfield Viscosity, cps.@ 25 °C	< 500
Mooney Viscosity, ML-4 @100°C	80-to-105
Bound nitrile, %	33
Tg, °C	0

HEALTH & SAFETY PRECAUTIONS

Read the Nychem 1552 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 1552 is available in drums, totes, and bulk shipments.

CVC Thermoset Specialties
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To obtain samples of Nychem 1552, 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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