CVC Thermoset Specialties

An Emerald Performance Materials Company

TECHNICAL BULLETIN

Nychem® 1570X75
Carboxylated, Acrylonitrile-Butadiene-Styrene Latex
Low Nitrile

DESCRIPTION

Nychem® 1570X75 is a Carboxylated, Acrylonitrile-Butadiene-Styrene 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 for binder and coating applications. A feature of this latex is smaller particle size for improved web penetration and faster drying great for adhesive applications.

As a paper saturant, it can be used in abrasion, automotive masking tape, friction, and printing blanket backer paper products. Also, it sports a soft-touch feel and low Tg. The styrenated nitrile provides a good balance of polar and nonpolar solvent resistance. Also, it has good flexibility and impact resistance with improved adhesion to metal substrates. The carboxylated functionality allows the polymer to be crosslinked internally or with the substrate using metal complexes, amino and phenol formaldehyde resins, and epoxies further improving performance. Additional toughness, abrasion, and chemical resistance can be further enhanced though vulcanization using a sulfur donor

FDA Compliance 21 CFR 175.105 (Adhesives)

FEATURES

- Excellent tear resistance
- Small particle size for better web penetration
- Good elongation
- Good internal bond strength
- Low Tg for softness and flexibility
- Carboxylation for improved adhesion and reactivity
- FDA 175.105 Compliant

END USE/APPLICATIONS

- Binders & Saturants
- Adhesives

TYPICAL PROPERTIES

pH	7.5-to-8.5
Total Solids (Wt.%)	39-to-42
Brookfield Viscosity, cps.@ 25 °C	<100
Mooney Viscosity, ML-4 @100°C	40-to-85
Bound nitrile, %	17
Bound styrene, %	12
Tg, °C	-48

HEALTH & SAFETY PRECAUTIONS

Read the Nychem 1570X75 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 1570X75 is available in drums, totes, and bulk shipments.

CVC Thermoset Specialties
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To obtain samples of Nychem 1570X75, 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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