



Mayzo Makes It Possible

BNX[®] 1000

Synergistic Liquid Antioxidant System

Overview

BNX 1000 is a unique liquid antioxidant system that is highly effective in the protection of adhesives (including new generation of hot melt and water-based adhesive systems), rubber, resins, and other polymer systems.

Chemistry

Chemical Names:	Proprietary
CAS Numbers:	Proprietary
Chemical Structure:	Proprietary

Typical Properties

Product Form:	Liquid
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Applications

BNX 1000 is ideal for use in adhesives, rubber, resins, and other polymer systems. Compared to solid antioxidants, BNX 1000 provides easier blending and disperses completely, virtually eliminating the particle dispersion problems sometimes associated with conventional antioxidants in powder form. Extensive testing has proven BNX 1000 to be especially effective in the new generation of hot melt and water base adhesive systems, providing increased heat and extended oxidation resistance.

Advantages

- Highly compatible with a wide range of organic substrates
- Liquid physical form provides for slow and consistent antioxidant release
- Liquid polymer base ensures broad and effective dispersion in solvent and water-based systems
- Disperses completely thus reducing loading requirements
- Eliminates particle dispersion problems
- Non-staining and non-discoloring
- Excellent resistance to extraction
- Odorless and tasteless
- Improves long-term stability
- Low volatility
- Contains an inhibitor for the catalytic oxidation incurred by metals
- Ease of compatibility with other stabilizers
- FDA cleared for use in adhesives

Guidelines for Use

Recommended loading levels range between about 1% and 5% by weight, depending upon the substrate, processing conditions, end use, and other performance requirements. BNX 1000 may be used in combination with other additives, including ultraviolet absorbers and hindered amine light stabilizers (HALS). The exact formulation to be used is dependent on the substrate, performance requirements, and other factors, and should be determined by the user based on testing to simulate actual conditions of use.

Storage

This product may be stored up to one year in a sealed container. Containers should be kept tightly closed and stored in a cool, dry place. Keep containers sealed when not in use.

Safety

Please read and understand the Safety Data Sheet (SDS) prior to handling or using this product.

FDA Regulations

The components of BNX 1000 are cleared for use in adhesives under 21 CFR §175.105. Please contact your Mayzo representative for information on the FDA status of this product, including restrictions of use.

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