



Mayzo Makes It Possible

BNX[®] 2246

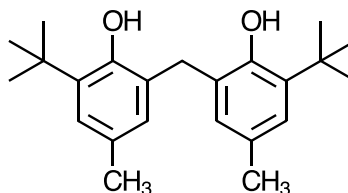
Antioxidant and Thermal Stabilizer

Overview

BNX 2246 is a hindered phenolic antioxidant and thermal stabilizer providing effective stabilization in adhesives, ABS, polyolefins, and other substrates.

Chemistry

Chemical Name: Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
CAS Number: 119-47-1
Chemical Structure:



Typical Properties

Product Form: Solid
Melting Range: 120 – 132°C
Molecular Weight: 340.5 g/mol

Solubility (g/100 mL solvent, 20°C)

Acetone	175	n-Heptane	8
Ethanol	154	Toluene	62
Ethyl acetate	134	Water	<0.01

Applications

BNX 2246 is an excellent, non-discoloring, non-staining antioxidant and thermal stabilizer. Typical applications include hot-melt adhesives, natural rubber adhesives, ABS, EVA, polyolefins (polypropylene, polyethylene, EVA), polyacetal homo- and copolymers, and elastomers. BNX 2246 also functions as an oxidation inhibitor for fats, oils and paraffin wax.

Advantages

- Low volatility
- Compatible with a wide variety of systems
- Low migration effects
- FDA cleared for use in adhesives, rubber articles, polyolefins, and polyacetals

Guidelines for Use

Recommended concentrations for use in plastics and adhesives range from 0.05 to 0.5%. Combinations of BNX 2246 with other antioxidants such as phosphites and thioethers often show synergistic performance. BNX 2246 is also suitable for use in combination with light stabilizers, including hindered amine light stabilizers (HALS), UV absorbers, and benzoates. 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. Please contact Mayzo for specific recommendations.

Storage

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

Safety

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

FDA Regulations

BNX 2246 is cleared for use in adhesives under 21 CFR §175.105, rubber articles intended for repeat use under 21 CFR §177.2600, and in olefin polymers and polyoxymethylene homo- and copolymers under 21 CFR §178.2010. Please contact your Mayzo representative for complete details, including restrictions of use.

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