



Mayzo Makes It Possible

BNX[®] TAHQ

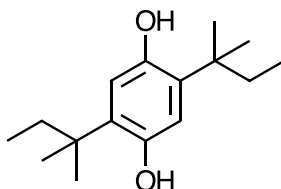
Antioxidant and Thermal Stabilizer

Overview

BNX TAHQ is a non-discoloring/non-staining antioxidant for use in un-vulcanized rubber adhesives, tapes, and films.

Chemistry

Chemical Name: 1,4-Benzenediol, 2,5-bis(1,1-dimethylpropyl)-
CAS Number: 79-74-3
Chemical Structure:



Typical Properties

Product Form: Solid
Melting Range: 177 – 179°C
Molecular Weight: 250.4 g/mol

Solubility (g/100 mL solvent, 20°C)

Acetone	72	Toluene	3
Diethyl ether	130	Water	<0.01
Ethanol	68		

Applications

BNX TAHQ provides highly effective protection against the effects of oxygen and sun cracking in un-vulcanized rubber adhesives. Other recommended applications include hot melt adhesives, adhesive films for tape applications, and for stabilization of polymers and elastomers.

Advantages

- Non-staining and non-discoloring
- Improves long-term stability
- Prevents loss of tack and decreases oxygen uptake in un-vulcanized rubber adhesives
- FDA cleared for use in adhesives and rubber articles

Guidelines for Use

Recommended concentrations for use in adhesives range from 0.5 to 1.5%. Combinations of BNX TAHQ with other antioxidants such as hindered phenols, phosphites, thioethers, and multifunctional antioxidants often show synergistic performance. BNX TAHQ is also suitable for use in combination with light stabilizers. 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 TAHQ is cleared for use in adhesives under 21 CFR §175.105 and in rubber articles intended for repeat use under 21 CFR §177.2600. Please contact your Mayzo representative for complete details, including restrictions of use.

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