



Mayzo Makes It Possible

BNX[®] 3595

High Performance Antioxidant System for Unsaturated Elastomers, Hot Melt Adhesives, and Rosin Esters

Overview

BNX 3595 is a high performance; multifunctional antioxidant system specially developed for the stabilization of unsaturated elastomers such as polybutadiene, polyisoprene, styrene-butadiene rubber, and styrenic block copolymers such as SIS and SBS; hot melt adhesives; and rosin ester tackifier resins.

Chemistry

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

Typical Properties

Product Form:	Solid
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Applications

BNX 3595 provides outstanding stabilization performance in unsaturated elastomers such as polybutadiene, polyisoprene, styrene-butadiene rubber, and styrenic block copolymers such as SIS and SBS. It is also effective for the stabilization of hot melt adhesives (especially those derived from unsaturated elastomers) and rosin ester tackifier resins. BNX 3595 helps to prevent the degradation of materials from exposure to heat during processing operations and end use that can lead to problems such as gel formation, changes in viscosity, and discoloration.

Advantages

- Highly effective to prevent gel formation, chain scission, and discoloration in unsaturated elastomers
- Improves resistance to discoloration and viscosity stability in hot melt adhesives
- Improves the melt stability of rosin ester tackifier resins
- Non-discoloring and non-staining for color critical applications
- Low-volatility for use in high temperature processing operations

Guidelines for Use

Recommended loading levels range between about 0.02 and 1% by weight, depending upon the substrate, processing conditions, end use, and other performance requirements. BNX 3595 may be used in combination with other additives, including ultraviolet absorbers, hindered amine light stabilizers (HALS), benzoate light stabilizers, and antioxidants (primary and/or secondary types). 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 two years 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

Please contact your Mayzo representative for information on the FDA status of this product.

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