



Mayzo Makes It Possible

## BNX<sup>®</sup> 2301

### Phenol-Free Processing Stabilizer for Polyolefins

#### Overview

BNX 2301 is a non-phenolic stabilizer system that is highly effective for the melt processing stabilization of polyolefins. Due to its non-discoloring nature, it is ideal for use in color critical applications.

#### Chemistry

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

#### Typical Properties

Product Form:	Solid
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#### Applications

BNX 2301 is particularly useful as a non-discoloring melt processing stabilizer for polyolefin homopolymers and copolymers, especially polypropylene, polyethylene, and TPO. The product is suitable for use in both thin-section (fibers, films) and thick-section (injection molding) applications. Due to its resistance to discoloration during both processing and gas fading conditions, BNX 2301 is ideal for use in color critical applications.

#### Advantages

- Highly efficient processing stabilizer for polyolefins, providing excellent melt flow maintenance and very low color contribution
- Non-discoloring under exposure to combustion gases (NO<sub>x</sub>, gas fading)
- Can be used at lower loading levels as compared to conventional phenol-based stabilization systems
- Excellent compatibility, resistance to extraction, and low volatility

#### Guidelines for Use

Typical recommended loading levels range between about 0.05 and 0.2% by weight, depending upon the substrate, processing conditions, end use, and other performance requirements. The appropriate loading must be determined by testing in the specific polymer system. In applications where light stability and/or long-term thermal stability are required, the product should be used in combination with an appropriate co-stabilizer, for example BLS 119, BLS 1944, and/or BNX 3114. BNX 2301 may also be used in combination with other additives, including ultraviolet absorbers, other hindered amine light stabilizers (HALS), benzoate light stabilizers, and antioxidants (primary and/or secondary types).

### **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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