

Milliken®

# Milliguard™ AOX

Antioxidant for Polyurethane



## Milliguard AOX Antioxidant

Milliguard AOX is a reactive, polymeric carbon-centered radical scavenger that protects thermoset polymers from oxidation degradation.

It is effective at low levels in polyurethane formulations to prevent scorch and in polyol manufacturing to improve stability.

Unlike most stabilizers, this antioxidant reacts into urethane systems resulting in significantly lower volatility and migration.

In addition, most hindered phenols and hindered amines cause yellowing when the urethane is exposed to nitrous oxide gas. Milliguard AOX does not contribute to color formation due to NOX gases.

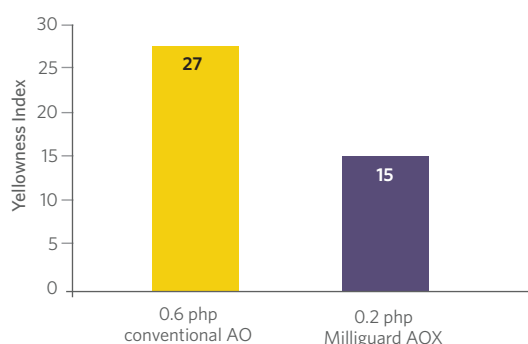
## Potential Performance Benefits

- Enabling higher quality foam through reduced discoloration
- Reducing scorch related scrap / off-quality
- Enabling the use of non-halogenated flame retardants by reducing scorch
- Increased productivity by increasing foam block size without scorch
- Increased quality of foams containing Natural Oil Polyols

## Applications

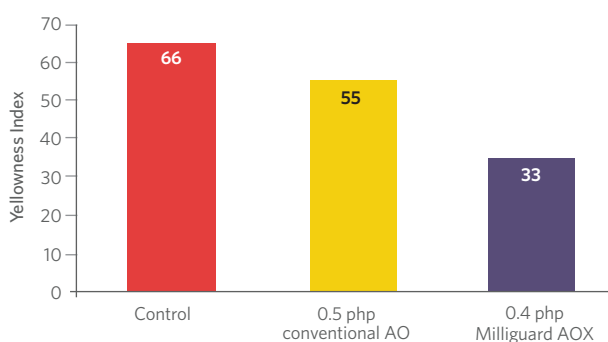
- Furniture & bedding with or without flame retardants
- Automotive flame laminated grades
- Stay white foam / intimate apparel

## Microwave Scorch Testing



## Colorfastness to Burnt Gas Fading

AATCC Test Method 23; 30 hrs, 58 °C, Propane



For more information, please contact your Milliken Representative.

**PLEASE NOTE:** As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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