



YFK-1135

Chemical Structure

Chemical Name

Benzenepropanoic acid

3,5-bis(1,1-dimethyl-ethyl)-4-hydroxy-C7-C9-bran(H₃C)₃C alkyl esters

Chemical Formula

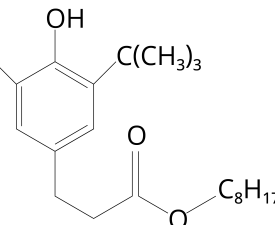
C₂₅H₄₂O₃

Cas No.

125643-61-0

Molecular Weight

390



Specifications

Appearance

Colorless or light- yellow transparent liquid

Solubility

Clear

Color (Pt-Co scale)

<= 100

Water Content %

<= 0.1

Acidity Value (mg KOH/g)

<= 1.0

Purity %

>= 98.0

Usage Notes

Properties

It is a colorless to light-yellow transparent liquid. It is essentially insoluble in water, soluble in most organic solvents, and classified as non-toxic.

Performance

It is a flowable liquid antioxidant characterized by low volatility and good compatibility. It is particularly suitable for air-cooled polyurethane processing and is effective in preventing fogging in automotive components as well as discoloration in textiles such as furniture fabrics, blankets, and hats. Due to its liquid fluidity, YFK-1135 is well-suited for processing polymers prepared in liquid, emulsion, suspension, solution, or molten states. It can be incorporated either before or after polymerization.



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Applications

It is a highly effective antioxidant applicable to a wide range of polymers. It prevents superoxide-induced foaming in polyhydroxy compounds, thereby enhancing the storage and transportation stability of polyurethane foam boards. In addition, it regulates the foaming rate during polyurethane processing to prevent excessive or premature foaming.

Storage

This product is chemically stable and should be stored in a cool, dry, and moisture-proof environment.

Recommended Dosage

The typical dosage range is 0.1% to 0.5%.

Packaging

The product is packaged in 180kg steel barrel.
