

YINOX[®] 235

Technical Data Sheet

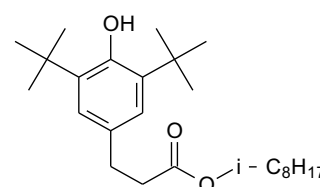
Introduction

Benzene propanoic acid 3,5-bis-(1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkylesters

$C_{25}H_{42}O_3$

Molecular weight: 390

CAS NO. : 125643-61-0



Physical

Appearance	Colorless to slightly yellow liquid
Assay, %	≥ 99.50
Refractive Index (60°C)	1.4910-1.5003
Density, g/ml (25°C)	0.9582-0.9720

Solubility (g/100g solvent, 25°C)

Water < 0.01	Acetone > 50
Methanol > 50	Ethyl acetate > 50

TGA (°C, % mass loss)

Weight loss, %	1	10
Temperature, °C	160	200

Applications

YINOX[®] 235 is the liquid hindered phenol antioxidant which may be used in a variety of polymers, especially the polyurethane industry. YINOX[®] 235 prevents the formation of peroxides in the polyether polyol during storage and restrains yellowing. It also protects against scorching during foaming. It improves the yellowing resistance level greatly if it is added into the PU shoes material, artificial leather, elastomer etc. YINOX[®] 235 is the flowing liquid at normal temperature. Because of its low volatility and excellent compatibility, it is particularly well suited to use in polymer manufacturing and processing of the neat liquids, emulsions, suspensions, solutions or melts, for example, PVC stabilizer, rubber, lubricant etc.