

YINOX[®] 745

Technical Data Sheet

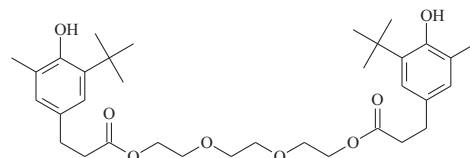
Introduction

Triethylene glycol bis[3-(3-t-butyl-4-hydroxy-5-methylphenyl)propionate]

$C_{34}H_{50}O_8$

Molecular weight: 587

CAS NO. : 36443-68-2



Physical

Appearance	White to yellowish crystalline powder
Melting point, °C	76-79
Density, g/ml (20°C)	1.14

Solubility (g/100g solvent, 25°C)

Water: <0.01	Methyl alcohol: 12	Benzene: 18
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TGA (°C, % mass loss)

Weight loss, %	5	10	50
Temperature, °C	298	316	362

Applications

YINOX[®] 745 is a solid hindered phenolic antioxidant which is particularly suitable to organic polymer. It can protect the material in the production, processing and the terminal use without thermal oxidation degradation. YINOX[®] 745 is odourless, low volatile, high color fastness and high resistance to extraction.

YINOX[®] 745 is very effective when used in the styrene polymers, especially suitable for ABS, HIPS, MBS, SB, POM monomer and copolymer, it also can be used as stabilizer in polyurethane, polyamide, thermoplastic polyester, PVC, etc.

YINOX[®] 745 provides polymer thermal stability of the final product, and has chain termination in the PVC polymerization. It also can be combined used with other additives, such as auxiliary antioxidant (sulfide, phosphite), light stabilizer and antistatic agent.