

# YINOX<sup>®</sup> 430

## Technical Data Sheet

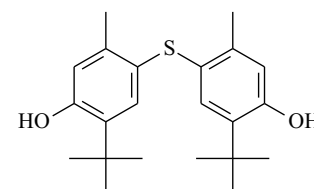
### Introduction

4,4'-Thiobis(2-t-butyl-5-methylphenol)

C<sub>22</sub>H<sub>30</sub>O<sub>2</sub>S

Molecular weight 358

CAS NO. 96-69-5



### Physical

Appearance White powder

Assay, % ≥98

Melting range, °C 160 - 164

Ash, % ≤0.05

Volatile component, % ≤0.2

#### Solubility (g/100g solvent, 25°C)

Water < 0.01

Methanol > 50

Acetone > 50

#### TGA (°C, % mass loss)

Weight loss, %	5	10	50
Temperature, °C	214	227	267

### Applications

YINOX<sup>®</sup> 430 is used as an antioxidant in HDPE and LDPE for water and gas pipes and high voltage cables. YINOX<sup>®</sup> 430 has high resistance to thermo-oxidative degradation and wash-out, exhibits excellent compatibility with peroxides and exhibits great synergism with carbon black. YINOX<sup>®</sup> 430 is also used as a polymerization and processing stabilizer for PP, ABS, PVC, EPDM elastomers and polybutadienes. It is effective as an anti-skinning agent for hot melt adhesives, an anti-scorching agent for polyurethanes during condensation of TDI on polyesters, and a heat stabilizer for lubricants.