

Yinox[®] 436

Technical Data Sheet

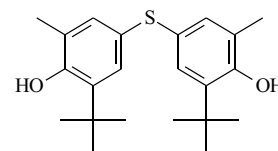
Introduction

4, 4' - Thiobis (6-tert-butyl-o-cresol)

$C_{22}H_{30}O_2S$

Molecular weight: 358

CAS: 96-66-2



Properties

Appearance White crystalline powder

Assay % ≥ 98

Melting Range, °C 125-127

Ash, % ≤ 0.05

Volatility, % ≤ 0.3

Solubility(g/100g solvent)@25°C

Water	<0.01	Methanol	>20	Toluene	>20
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TGA(°C, % mass loss)

Weight Loss, %	5	10	50
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Temperature, °C	255	271	281
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Applications

Yinox[®] 436 has the structure of thiophenol having the double functions of both free radicals terminator and hydroperoxide decomposer. The antioxidation activity is high. It exhibits great synergism with carbon black and it has excellent processing properties. It is widely used in plastics, rubber and petroleum products. That the melting point of it is lower can solve the difficulties of hard to melt and easy to crystallize when using the traditional antioxidants in PE compound for cable. It can improve the quality of the cable.

Yinox[®] 436 can be used in combination with the Yiphos[®] 3019 and UV-absorber, UV-327 etc and shows excellent synergism.