

Yinox[®] 525

Technical Data Sheet

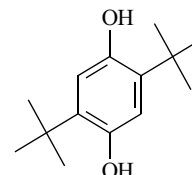
Introduction

2,5-di-tert-butylhydroquinone

C₁₄H₂₂O₂

Molecular Weight: 222

CAS: 88-58-4



Properties

Appearance	White crystalline powder
Assay, %	≥99
Melting point, °C	215-219
Ash, %	≤0.1

Solubility(g/100g solvent)@25°C

Water	<0.1	Methanol	19	Acetone	32
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TGA(°C, % mass loss)

Weight Loss, %	5	10	50
Temperature, °C	186	197	220

Applications

Yinox[®] 525 is generally used as a polymerisation inhibitor, an antioxidant and a stabilizer. It is used mostly in industrial applications, particularly in rubbers, adhesive and adhesive films, paints, and monomers.

Yinox[®] 525 is often used as a polymerisation inhibitor in applications requiring inhibitors exhibiting low vapour pressure or short induction periods. Such uses include the protection of monomers during distillations, when monomers are used as chemical intermediates, and in the prevention of cross-linking during the preparation of unsaturated polyesters. When added to unsaturated polyesters, Yinox[®] 525 provides good stability during processing and storage without adversely prolonging the cure. Samples treated with Yinox[®] 525 have shown little gel time drift during storage tests.