

Technical Data Sheet

Eastman™ Toluhydroquinone

Applications

- Auto plastics
- Intermediates
- Kitchen & bath
- Molding & trim interior
- Paints & coatings
- Photographic chemicals
- Protective coatings
- Resins

Product Description

Eastman™ Toluhydroquinone (THQ) is a tan to white crystalline solid. THQ undergoes chemical reactions similar to those of hydroquinone. The presence of a methyl group in the ortho position in the toluhydroquinone molecule accounts for the slight structural and behavioral differences between toluhydroquinone and hydroquinone.

Eastman™ Toluhydroquinone is a highly active inhibitor in the free radical polymerization of vinyl monomers and unsaturated polyesters.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	124.13
Empirical Formula	C ₇ H ₈ O ₂
Appearance	Off-white solid
Assay	99 % min
Specific Gravity	1.3
Melting Point	127 °C (261 °F)
Boiling Point	279 °C (534 °F)
Flash Point	
Cleveland Open Cup	172 °C (342 °F)
Autoignition Temperature	452 °C (846 °F)
Solubility @ 25° (77°F)	
In Acetone	55 wt %
In Ethanol (95%)	44 wt %
In Ethyl Acetate	50 wt %
In Methyl Methacrylate	14 wt %
In Styrene	< 5 wt %
in Water	7 wt %

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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