

Irganox[®] L 135

Phenolic Antioxidant

February 2022 | [Data Sheet EVO](#) | Replaced Version of June 2019

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Description

Irganox L 135 is a liquid, high molecular weight phenolic antioxidant for lubricating oils

Benefits and Features

- Contributes to piston cleanliness in engine oils - both diesel and gasoline
- Replaces solid methylene-bis-phenols in a cost-effective manner
- Low water extractability
- Offers excellent solubility in mineral oil and non-conventional base stocks
- Contains no diluents
- Easy to handle bright liquid
- No tendency to crystallize even at low temperatures

Properties

Appearance

Clear yellow liquid

Physical and Chemical Data

Density at 20 °C	0.96 g/cm ³	ASTM D1298
Viscosity at 40 °C	123 cSt	
Flash Point (PM)	152 °C (306°F)	
Basic Nitrogen	4.5 %	
Ash	Ashless	

Quality Control

The above-listed data represent average values at the time of going to press of this Technical Information. They are intended as a guide to facilitate handling and cannot be regarded as specified data. Specified product data are issued as a separate product specification.

Solubility

Mineral Oil	> 5 %
Ester Base Oil	> 5 %
Water	< 0.01 %

Application

Typical treat rates

Industrial lubricants	0.1 – 0.5 wt. %
Engine lubricants	0.2 – 0.8 wt. %

Restriction

Storage and Handling Please read Material Safety Data Sheet (MSDS) before handling.

Packaging This information is available on request through our local representative.

Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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