

# Technical Data Sheet

## Diphenyl Oxide, Tech

### Key Attributes

- High boiling point
- High flash point
- High purity (>99.9%)
- High solvency
- High thermal stability
- Low polarity
- Low reactivity
- Noticeable odor

### Product Description

Applications for diphenyl oxide process fluid include process media, raw materials, or solvents in many industries, including chemicals, fragrances, and petrochemicals.

### Typical Properties

Property	Test Method	Typical Value, Units
<b>General</b>		
Appearance		
Above 26°C (79°F)		Clear colorless liquid
Below 26°C (79°F)		White solid
Composition		Diphenyl Oxide
Molecular Weight (Average)		170
Density		
@ 25°C (77°F)		1.02 g/mL (8.46 lb/gal)
Copper Corrosion	ASTM D849	Pass-1A
Bromine Index	ASTM D2710	<100
Flash Point	ASTM D92	115 °C (239 °F)
Aniline Point	ASTM D611	21.5 °C (71 °F)
Water solubility		
@ 25°C (77°F)		14 mg/L
Moisture Content		150 ppm, max
Autoignition Temperature	ASTM E659	618 °C (1144 °F)
Fire Point	ASTM D92	124 °C (255 °F)
Viscosity, Kinematic		
@ 38°C (100°F)		2.58 cSt
Normal Boiling Point		258 °C (497 °F)
Vapor Pressure		
@ 93°C (200°F)		0.00614 kPa (0.00089 psia)
Freezing Point		26 °C (79 °F)

### Comments

Values quoted are typical values obtained in the laboratory from production samples and are not guaranteed. Production materials may vary. Contact Eastman for current sales specifications.

Typical properties does not constitute an express warranty.

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6/6/2019 1:29:18 PM

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