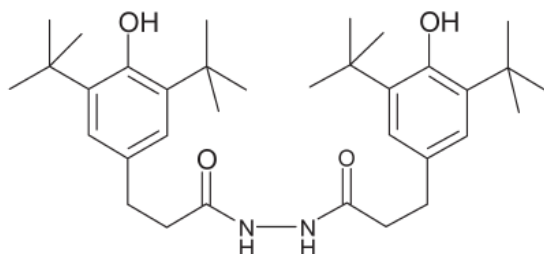


Irganox[®] MD 1024

Product Description	Irganox MD 1024 is a metal deactivator and primary, sterically hindered phenolic antioxidant for telecommunication wire and cable applications.
Key Features & Benefits	<ul style="list-style-type: none">- Extraction resistance and processing stabilization- Contact with copper during processing or long term service- Metal deactivating properties
Chemical Composition	2',3-Bis[[3-[3,5-di-tert-butyl-4-hydroxyphenyl]propionyl]]propionohydrazide



Properties

Typical Properties	Appearance	white to slightly yellowish crystalline powder
	CAS number	32687-78-8
	Molecular weight	g/mol 553
	Melting range	°C 221 – 232
	Flash point	°C > 180
	Vapor pressure at 20°C	Pa 1 E-10
	Specific gravity at 20°C	g/ml 1.11
	Density (bulk)	g/l 320 – 380

Solubility at 20°C (g/100 g solution)

Acetone	4
Benzene	0.1
Chloroform	0.4
n-Hexane	< 0.01
Methanol	4
Water	< 0.01

These typical values should not be interpreted as specifications.

Application

Irganox MD 1024 is a metal deactivator and primary, sterically hindered phenolic antioxidant for telecommunication wire and cable applications. It provides excellent extraction resistance and processing stabilization. When used alone or in combination with other phenolic antioxidants, such as Irganox 1010, it can be used for the thermal stabilization of polymers that come in contact with copper both during processing and long term service.

Irganox MD 1024 is recommended for applications such as:

- Polyethylene wire and cable resins
- Filled polyolefins
- Polyolefins in contact with copper NBR fuel hoses
- X-SBR
- SBR
- Styrene homo- and co-polymers
- Coatings, adhesives and sealants

Recommended Concentrations The amount of Irganox MD 1024 required for optimum performance should be determined in laboratory trials covering a concentration range.

For any application in contact with copper during processing or long term service, a concentration range of 0.1 – 0.2% of Irganox MD 1024 is recommended.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Irganox MD 1024.

Storage

Please refer to the “Handling and Storage of Polymer Dispersions” brochure.

Important

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