

Irganox[®] MD 1024

Product Description

Irganox MD 1024 is a metal deactivator and primary, sterically hindered phenolic antioxidant for telecommunication wire and cable applications.

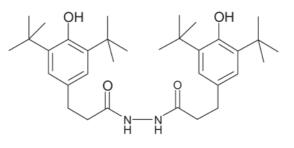
Key Features & Benefits

- Extraction resistance and processing stabilization
- Contact with copper during processing or long term service
- Metal deactivating properties

Chemical Composition

Typical Properties

2',3-Bis[[3-[3,5-di-tert-butyl-4-hydroxyphenyl]propionyl]]propionohydrazide



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 (a/100 a a	olution)	
Solubility at 20°C (g/100 g s	olution)	4
<u>Solubility at 20°C (g/100 g s</u> Acetone Benzene	olution)	4 0.1
Acetone	olution)	4 0.1 0.4
Acetone Benzene	olution)	0.1
Acetone Benzene Chloroform	olution)	0.1 0.4

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.

	Storage Please refer to the "Handling and Storage of Polymer Dispersions" brochure.
Safety Data Sheet	All safety information is provided in the Safety Data Sheet for Irganox MD 1024.
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
	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.
Recommended Concentrations	The amount of Irganox MD 1024 required for optimum performance should be determined in laboratory trials covering a concentration range.
	 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

Important

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