

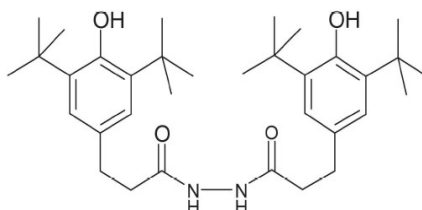
PUREstab MD1024

Metal Deactivator and Antioxidant for Wire and Cable Application

Description: PUREstab MD1024 is a sterically hindered phenolic antioxidant, used in:

- in polyethylene wires and cable resins
- filled polyolefins, SRB, X-SBR
- in contact with copper NBR fuel hoses.
- in styrene homo- and co-polymer

Formula



Chemical name: 2',3-bis[[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl]]propionohydrazide

CAS number: 32687-78-8

Molecular weight:

553 g/mol

Features & benefits: widely used in telecommunication wire and cable, provides unmatched extraction resistance and processing stabilization. Can be used alone or with other antioxidants to provide stabilization of polymer in contact with copper, both during processing and long term service.

Application: For any application in contact with copper, the concentration levels range typically between 0.1% and 0.2%.

Health & Safety: PUREstab MD1024 exhibit a very low order of oral toxicity and does not present any abnormal problems in its handling or general use

Physical Properties:

Melting range	221 – 232°C
Flashpoint	>180°C
Vapor pressure	1 E-11 Pa
Density (20°C)	1.11 g/ml
Bulk density	Powder 320 – 380 g/l
Solubility (20°C) g/100g solution	
- Acetone	4
- Benzene	0.1
- Chloroform	0.4
- n-Hexane	0.01
- Methanol	4
- Water	0.01