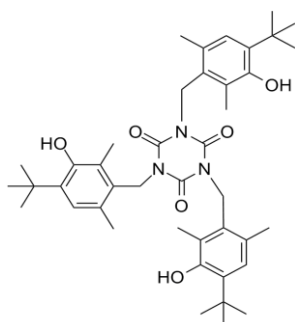


Product Name

RIANOX 1790 Phenolic Antioxidant

A high performance, sterically hindered phenolic antioxidant of the trisphenol class with a cyanuric acid central moiety.

1,3,5-tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione
CAS No.: [40601-76-1]



Typical Properties

Appearance	White free flowing powder
Molecular Weight	700
Relative Density, g/cm ³	1.32
Melting Range, °C	159-163

Solubility@20°C (g/100g solvent)

Water	<0.1	Toluene	75	Acetone	60
Methanol	<0.1	Chloroform	>100	n-Hexane	1.5
Ethyl acetate	>100	DMAC	>100		

Specifications

Appearance:	White free flowing powder
Melting Range:	159.0-163.0°C
Volatiles:	≤0.50%
Color, APHA	≤130
Clarity of solution	Clear
Assay:	≥96.0%

RIANOX 1790 is especially suited for polyurethane, polypropylene, polyester and polyamide fibers where it provides at low dosage. The performance benefit of **RIANOX 1790** includes the minimal color contribution, good solubility/migration balance and excellent compatibility with light stabilizer and secondary antioxidants, e.g. RIANOX DLTP/DSTP. In addition, **RIANOX 1790** has a high molecular weight, which results in low volatility and good extraction resistance. In molding applications it is particularly recommended for filled systems where extraction resistance is an issue.

Its excellent gas-fade resistance is especially beneficial for polyurethane fibers. It can be used as well in polyolefin fibers.

Handling & Safety

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 12 months from the date of manufacturing. For additional handling and toxicological information, consult the Rianlon Corporation Safety Data Sheet.