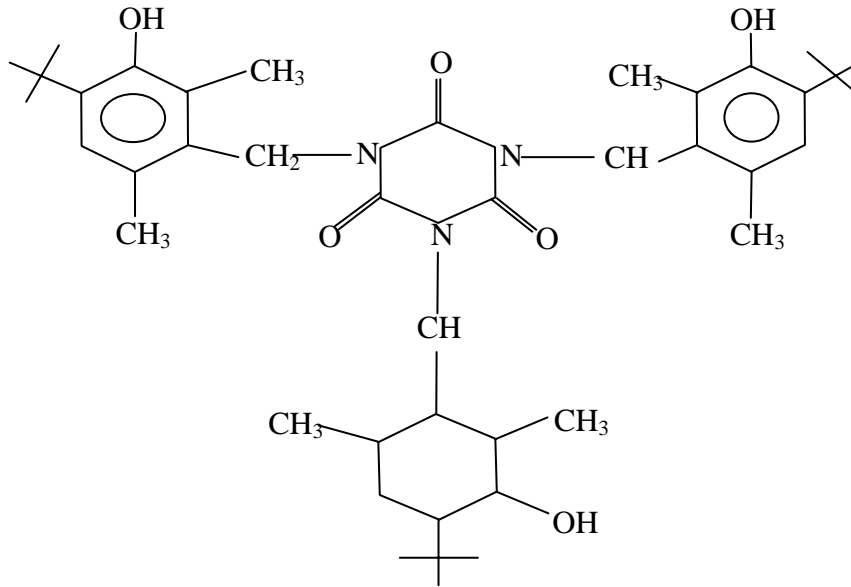


EVERNOX[®] 1790

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

Chemical Name 1,3,5-tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione

Structure



Molecular Weight 696 g/mol

CAS Number 040601-76-1

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	white to off-white powder
	Ash content	0.1% max
	Volatiles	0.3% max
	Color of solution (10g in 100ml toluene)	100 APHA max
	Transmittance (2 g in 20 ml toluene)	at 425 nm 95.0% min at 500 nm 98.0% min
	Assay	98.0% min

Physical Properties

Melting range (°C)	156-166
Specific gravity (20°C)	1.32 g/cm ³
Solubility (25°C)	g/100g solution
n-heptane	1.2
ethylene glycol	1.9
ethanol	4.6
methanol	1.1
styrene	<10
toluene	<10
methylethyl ketone	<10
water	insoluble

Applications	<p>EVERNOX-1790 can be applied in polyolefins, such as PE and PP as well as engineering resins such as Nylon, PC, PPS, PET, PBT, PPO, etc.</p> <p>EVERNOX-1790 has minimal color contribution, low volatility, and good solubility/migration balance. It is also compatible and can be used in combination with light stabilizers such as UVA and HALS, and other functional stabilizers.</p>
Handling & Safety	<p>EVERNOX-1790 should be handled with care and prevent contamination of the environment. Avoid dust formation and ignition sources.</p> <p>For more detailed information please refer to the material safety data sheet.</p>
Packing	<p>The following packages are available upon customer's request :</p> <p>(1) 20-kg paper bag. (2) 25-kg PE bag x 2 in a carton box. (3) 50-kg fiber drum. (4) Other specific request.</p>
Transportation	<p>EVERNOX-1790 is not considered a dangerous material according to the transportation regulations.</p>
Storage	<p>EVERNOX-1790 should be stored indoors in a cool dry place, preferably at 25°C (77°F) or below to maintain its product integrity. Avoid direct exposure to sunlight or temperature above 40°C (104°F).</p> <p>Maximum recommended storage time from the date of analysis : 60 months.</p>



妙春實業股份有限公司

EVERSPRING CHEMICAL CO., LTD.

台中市工業區 24 路 4 號

4, 24Rd., Industrial Park, Taichung, Taiwan

Tel : +886-4-23592448 Fax : +886-4-23593163

E-mail : everspring@seed.net.tw

Web site : www.everspringchem.com.tw