

EVERNOX[®]-1330

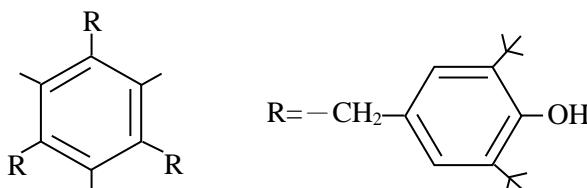
EVERNOX[®]-1330GF

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

Chemical Name 3,3',3'',5,5',5''-hexa-tert-butyl- α,α',α'' -(mesitylene-2,4,6-triyl)tri-p-cresol

Formula C₅₄H₇₈O₃

Structure



Molecular Weight 775

CAS Number 1709-70-2

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	White, free-flowing powder for EVERNOX-1330 White, free-flowing granules for EVERNOX-1330GF
	Ash content	0.1% max
	Volatiles	0.1% max
	Transmittance (10g in 100 ml toluene)	at 425 nm 98.0% min at 500 nm 99.0% min
	Assay	98.0% min

Physical Properties

Melting range (°C)	240-245
Flash point (°C)	321
Specific gravity (20°C)	1.04 g/cm ³
Bulk density	Powder : 530-630 g/l GF : 480-570 g/l
Solubility (20°C)	g/100g solution
Acetone	18
Chloroform	28
Ethylacetate	27
n-Hexane	10
Methanol	3
Water	<0.01

Applications

EVERNOX-1330 is used in polyolefins e.g. polyethylene, polypropylene, polybutene for the stabilization of pipes, molded articles, wires and cables, dielectric films etc. Furthermore, it is applied in other polymers such as engineering plastics like linear polyesters, polyamides, and styrene homo- and copolymers. It may also be used in PVC, polyurethanes, elastomers, adhesives, and other organic substrates.

EVERNOX-1330 can be combined with other additives such as costabilizer (e.g. thioesters, phosphites, phosphonites), light stabilizer and other functional stabilizers. The synergistic blends of EVERNOX-1330 with EVERFOS-168 are extreme performance in polymers stabilization.

Handling & Safety

EVERNOX-1330 and EVERNOX-1330GF should be handled with care and prevent contamination of the environment. Avoid dust formation and ignition sources.

For more detailed information please refer to the material safety data sheet.

Packing

The following packages are available upon customer's request :

- (1) 25 kgs x2 PE bags in the carton box.
- (2) 50 kgs fiber drum.
- (3) Other specific request.

Transportation

EVERNOX-1330 and EVERNOX-1330GF are not dangerous materials according to the transportation regulations.

Storage

EVERNOX-1330 and EVERNOX-1330GF should be stored under suitable conditions (dry & cool). Maximum recommended storage time from the date of analysis : 24 months.



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