

# EVERNOX<sup>®</sup>-1330

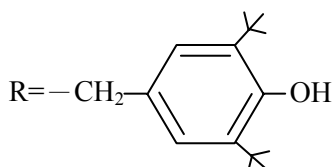
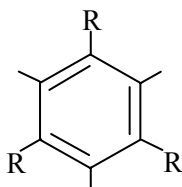
# EVERNOX<sup>®</sup>-1330GF

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

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

**Formula** C<sub>54</sub>H<sub>78</sub>O<sub>3</sub>

**Structure**



**Molecular Weight** 775

**CAS Number** 1709-70-2

**Specification**

Criterion

Requirement

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<sup>3</sup>

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

<b>Applications</b>	<p>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.</p> <p>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.</p>
<b>Handling &amp; Safety</b>	<p>EVERNOX-1330 and EVERNOX-1330GF 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>
<b>Packing</b>	<p>The following packages are available upon customer's request :</p> <p>(1) 25 kgs x2 PE bags in the carton box.  (2) 50 kgs fiber drum.  (3) Other specific request.</p>
<b>Transportation</b>	<p>EVERNOX-1330 and EVERNOX-1330GF are not dangerous materials according to the transportation regulations.</p>
<b>Storage</b>	<p>EVERNOX-1330 and EVERNOX-1330GF should be stored under suitable conditions (dry &amp; cool). Maximum recommended storage time from the date of analysis : 60 months.</p>



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