

# EVERNOX<sup>®</sup>-B310

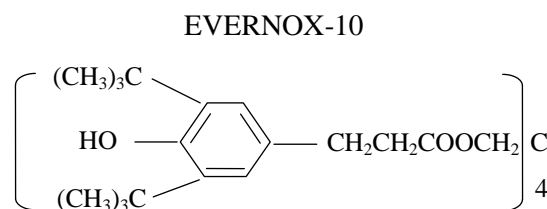
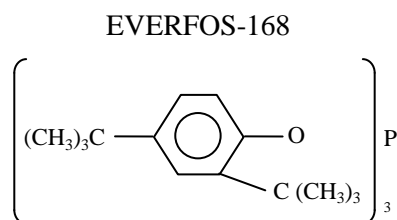
## EVERNOX<sup>®</sup>-B310GF

Synergistic Processing and Long-Term Thermal Stabilization

**Chemical Name** 75% EVERFOS-168: Tris (2,4-di-tert-butylphenyl) phosphate  
25% EVERNOX-10: Pentaerythritol Tetrakis (3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate)

**Formula** 75% C<sub>42</sub>H<sub>63</sub>O<sub>3</sub>P  
25% C<sub>73</sub>H<sub>108</sub>O<sub>12</sub>

**Structure**



**Molecular Weight** 646.9 1178

**CAS Number** 31570-04-4 6683-19-8

<b>Specification</b>	<u>Criterion</u>	<u>Requirement</u>
	Appearance	White, free-flowing powder for EVERNOX-B310 White, free-flowing granules for EVERNOX-B310GF
	Ash content	0.1% max
	Volatiles	0.5% max
	Clarity of solution (10g in 100ml toluene)	Clear solution
	Transmittance (10g in 100 ml toluene)	at 425 nm 97.0% min at 500 nm 97.0% min
	Assay	EVERFOS-168 73.0~77.0% EVERNOX-10 23.0~27.0%

**Physical Properties**

Melting range (°C) 110-187°C  
Flash point (°C) >150°C  
Bulk density Powder : 520~630 g/l  
GF : 460~570 g/l

<b>Applications</b>	EVERNOX-B310 and EVERNOX-B310GF are used in polyolefins and olefins-copolymers such as LDPE, HDPE, LLDPE, PP and EVA. It can also be used in other polymers such as engineering plastics, styrene homo and copolymers such as PBT, PET, PA, POM, PS, ABS, PUR, elastomers BR, SBR, SBS, adhesives and other organic substrates. The B-blends can be used in combination with light stabilizers of UV-absorbers and hindered amine light stabilizers.
<b>Recommendation for use</b>	In polyolefins, the dosage levels for EVERNOX-B310 and EVERNOX-B310GF are between 0.1% to 0.25%, depending on polymers and processing conditions. The optimum level is various of application specific needs.
<b>Handling &amp; Safety</b>	EVERNOX-B310 and EVERNOX-B310GF 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.
<b>Packing</b>	The following packages are available upon customer's request : (1) 20 kgs×2 PE bags in the carton box. (2) 25 kgs ×2 PE bags in the carton box. (3) 50 kgs fiber drum. (4) Other specific request.
<b>Transportation</b>	EVERNOX-B310 and EVERNOX-B310GF are not dangerous materials according to the transportation regulations.
<b>Storage</b>	EVERNOX-B310 and EVERNOX-B310GF should be stored under suitable conditions (dry & cool). Maximum recommended storage temperature under 45°C and the storage time from the date of analysis : 24 months.



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