

EVERNOX[®]-B310

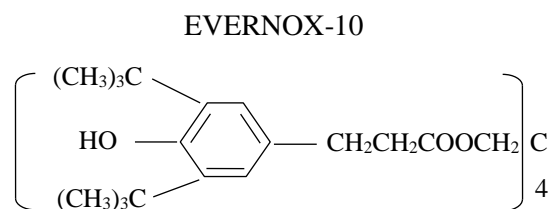
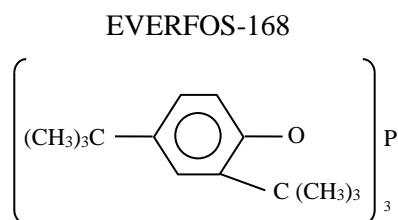
EVERNOX[®]-B310GF

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% C₄₂H₆₃O₃P
25% C₇₃H₁₀₈O₁₂

Structure



Molecular Weight 646.9 1178

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

Specification	<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

Applications	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.
Recommendation for use	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.
Handling & Safety	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.
Packing	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.
Transportation	EVERNOX-B310 and EVERNOX-B310GF are not dangerous materials according to the transportation regulations.
Storage	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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