

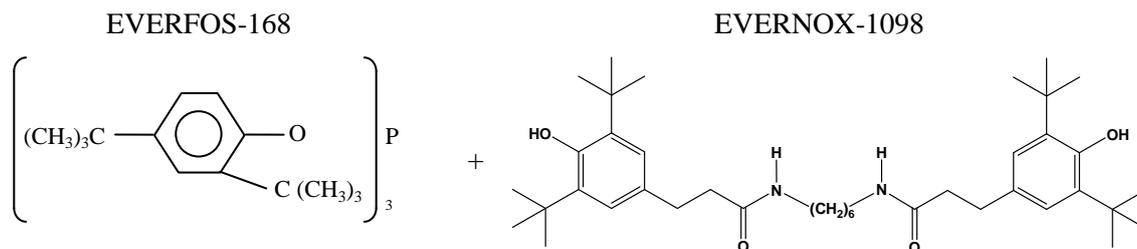
EVERNOX[®]-B1171

Synergistic Processing and Long-Term Thermal Stabilization

Chemical Name 50% EVERFOS-168; 50% EVERNOX-1098

Formula 50% C₄₂H₆₃O₃P
50% C₄₀H₆₄N₂O₄

Structure



Molecular Weight 646.9 637 g/mol

CAS Number Preparation (31570-04-4 and 23128-74-7)

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	White, free-flowing powder
	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 48.0~52.0% EVERNOX-1098 48.0~52.0%

Physical Properties

Melting range (°C) 156-187°C
Flash point (°C) >150°C

Applications

EVERNOX-B1171 has good compatibility, high resistance to extraction and low volatility. It provides excellent processing and long-term thermal stability as well as superior initial resin color. It can be used in combination with other additives such as costabilizers (e.g. phosphites, thioesters), light stabilizer (e.g. UV absorbers, hindered amines), and other functional stabilizers. The synergistic blend of EVERNOX-B1171 provides a great performance in polymer stabilization.

Recommendation usage	For polymers, the dosage level for EVERNOX-B117 varies between 0.1% to 0.25% depending on the polymer type and processing conditions. The optimum level is determined by the specific needs of application.
Handling & Safety	EVERNOX-B1171 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) Other specific request.
Transportation	EVERNOX-B1171 is not dangerous materials according to the transportation regulations.
Storage	EVERNOX-B1171 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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