

EVERNOX[®] B-blends

Synergistic Blends of Phenolic and Phosphite Antioxidants

Description EVERNOX B-blends are processing and long-term thermal stabilizer system and provide a synergistic blend of EVERFOS-168 and EVERNOX-10, EVERFOS-168 and EVERNOX-76 at various ratios.

High performance phenolic antioxidant & processing stabilizer blends which give long-term heat stability and processing stability in one package and simplify manufacturing operations.

The significant advantages such as

- Low color formation
- Increase of long-term thermal stability
- Keep original melt flow

Applications EVERNOX B-blends 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.

Products of B-blends The available EVERNOX B-blends are listed below also showing the ratios of EVERFOS-168 with EVERNOX-10 or EVERNOX-76 and key applications.

Evernox	Phosphite Stabilizer	Phenolic Antioxidant	Phenolic Antioxidant	Ratio	Key Applications
B110	Everfos-168	Evernox-10	—	1:1	HDPE/LLDPE/PP/PES Emphasis on long-term heat stability
B210	Everfos-168	Evernox-10	—	2:1	HDPE/LLDPE/PP/PES Good balance of long-term heat and processing stability
B310	Everfos-168	Evernox-10	—	3:1	HDPE/LLDPE/PP Applications requiring improved processing stability
B410	Everfos-168	Evernox-10	—	4:1	HDPE/LLDPE/PP Applications requiring superior processing stability
B201	Everfos-168	—	Evernox-76	2:1	HDPE/LLDPE/PP Good balance of long-term heat and processing stability
B401	Everfos-168	—	Evernox-76	4:1	HDPE/LLDPE/PP/IPS/SAN/PC/PMMA Applications requiring superior processing stability

Recommendation for use In polyolefins, the dosage levels for EVERNOX B-blends 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 B-blends require no special safety measures provided the usual precautions for handling chemicals are observed. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.
Packing	EVERNOX B-blends standard package is 25 kgsx2 PE bags in the carton box.
Transportation	EVERNOX B-blends are not dangerous goods according to the regulations.
Storage	EVERNOX B-blends be stored under suitable conditions (dry & cool). Maximum recommended storage time from the date of analysis : 24 months.



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