

EVERNOX[®]-B210

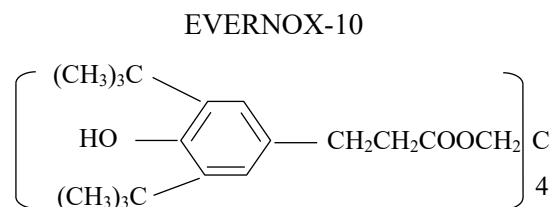
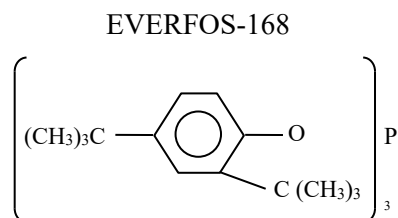
EVERNOX[®]-B210GF

Synergistic Processing and Long-Term Thermal Stabilization

Chemical Name 66.7% EVERFOS-168 : Tris (2,4-di-tert-butylphenyl) phosphite
33.3% EVERNOX-10 : Pentaerythritol Tetrakis (3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate)

Formula 66.7% C₄₂H₆₃O₃P (EVERFOS-168)
33.3% C₇₃H₁₀₈O₁₂ (EVERNOX-10)

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-B210 White, free-flowing granules for EVERNOX-B210GF |
| | 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 64.6~68.6% EVERNOX-10 31.4~35.4% |

Physical Properties

Melting range (°C) 110-187°C
Flash point (°C) >150°C

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|-------------------------------|--|
| Applications | EVERNOX-B210 and EVERNOX-B210GF 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-B210 and EVERNOX-B210GF 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-B210 and EVERNOX-B210GF 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-B210 and EVERNOX-B210GF are not dangerous materials according to the transportation regulations. |
| Storage | EVERNOX-B210 and EVERNOX-B210GF 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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