

EVERNOX[®]-B401

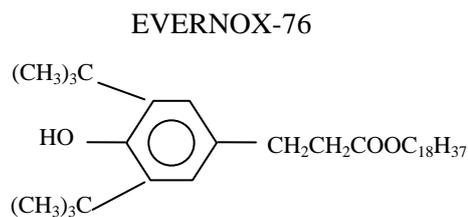
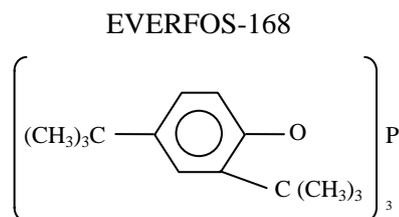
EVERNOX[®]-B401GF

Synergistic Processing and Long-Term Thermal Stabilization

Chemical Name 80% EVERFOS-168; 20% EVERNOX-76

Formula 80% C₄₂H₆₃O₃P
20% C₃₅H₆₂O₃

Structure



Molecular Weight 646.9

531

CAS Number 31570-04-4

2082-79-3

Specification

Criterion

Requirement

Appearance

White, free-flowing powder for EVERNOX-B401
White, free-flowing granules for EVERNOX-B401GF

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 78.0~82.0%
EVERNOX-76 18.0~22.0%

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

Applications

EVERNOX-B401 and EVERNOX-B401GF 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-B401 and EVERNOX-B401GF 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-B401 and EVERNOX-B401GF 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-B401 and EVERNOX-B401GF are not dangerous materials according to the transportation regulations.
Storage	EVERNOX-B401 and EVERNOX-B401GF 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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