

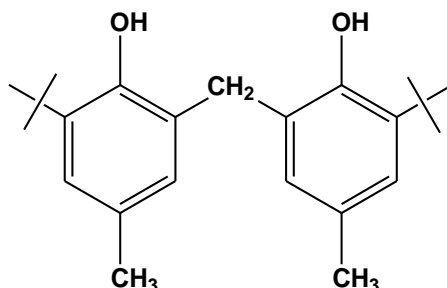
EVERNOX[®]-2246

Phenolic Primary Antioxidant for Manufacturing, Processing and Long-Term Thermal Stabilization

Chemical Name 2,2'-Methylenebis(4-methyl-6-tert-butylphenol)

Formula C₂₃H₃₂O₂

Structure



Molecular Weight 340.5

CAS Number 119-47-1

Specification	<u>Criterion</u>	<u>Requirement</u>
	Appearance	Mild yellowish powder
	Ash content	0.25% max
	Volatiles	0.3% max
	Assay	95.0% min

Physical Properties

Melting range (°C)	124-132
Flash point (°C)	>190
Specific gravity (20°C)	1.08 g/cm ³
Bulk density	308 kg/m ³
Solubility (20°C)	g/100ml solution
Acetone	175
Ethanol	154
Ethyl acetate	134
n-Heptane	8
Toluene	62
Water	Insoluble
Weight loss (TGA, in N ₂ at 10°C/min)	
Temp.(°C) at 5 % weight loss	178
Temp.(°C) at 10 % weight loss	180
Temp.(°C) at 25 % weight loss	210

Applications

EVERNOX-2246 is one of the most widely used antioxidants for white, light colored and transparent vulcanates that are based on natural or synthetic rubbers. In light colored vulcanates, it retards the crazing effect caused by exposure to light. It does not influence processing and vulcanizing properties. It exhibits low volatility and migration which makes it suitable for use in POM and ABS.

EVERNOX-2246 is listed in Section 175.105 of the Food Additives Regulations as a component food packaging adhesives and in Section 177.2600 as a component of rubber articles intended for repeated use in contact with food. Total antioxidant is not to exceed 5% by weight of rubber product. It is also permitted for use in olefin polymers per Section 178.2010 at levels not to exceed 0.1 wt. % of the finished product, in contact with foods of high water content, alcoholic beverages, moist and dry solids containing no free fat or oil on the surface, etc.

Handling & Safety

EVERNOX-2246 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) 20/25 kg PE bag(s) in a carton box
- (4) Other specific request.

Transportation

EVERNOX-2246 is not dangerous materials according to the transportation regulations.

Storage

EVERNOX-2246 should be stored under suitable conditions (dry & cool).

Maximum recommended storage time from the date of analysis : 12 months.



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