

KINOX[®]-76 / KINOX[®]-76G

KINOX[®]-76 / KINOX[®]-76G is a high performance phenolic antioxidant for stabilisation of polymers

1 PRODUCT INFORMATION

Main constituent	:	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxyoctadecyl ester or Octadecyl-3-(3,5-di-tert.butyl-4-hydroxyphenyl)propionate CAS Number 2082-79-3 Mol. Formula C ₃₅ H ₆₂ O ₃ Mol. Wt. 531
Physical form	:	White powder / granules
TGA in air at 20 °C/min. up to 230 °C up to 290 °C up to 325 °C	:	1.0% wt. loss max. 10.0% wt. loss max. 50.0% wt. loss max.
Solubility	:	Insoluble in water and methanol. Soluble in acetone, benzene, chloroform, hexane & ethyl acetate.
Health, safety & handling information	:	Relevant information can be found in sheet no. HPLA/MSDS/PE/AO/002

2 SPECIFIED PROPERTIES

Melting point (°C) (Open capillary tube method)	:	50-55
Volatility (%w/w) (2g/2h/105 °C)	:	0.3 max.
Sulphated ash (%w/w) (5g / 800 ± 50 °C)	:	0.1 max.
Solubility (10g/100 ml in toluene)	:	Clear solution

3 SPECIAL FEATURES

KINOX[®]-76 / KINOX[®]-76G provides excellent antioxidant performance and thermal stability to polyolefins such as polyethylene, polypropylene as well as other polymers such as crystal polystyrene, HIPS & ABS. KINOX[®]-76 / KINOX[®]-76G exhibits good resistance to discoloration and has low volatility.

4 DOSAGE / APPLICATION

Performance data of KINOX[®]-76 / KINOX[®]-76G in various organic polymers is available on request.

5 FOOD REGULATORY STATUS

As per US Food & Drug Administration (US-FDA) regulation, this product may be used safely as antioxidant in polymers within the scope & limitation of 21CFR; 178.2010. For indirect food contact substance. Please refer above regulation before use.

6 PACKING

KINOX[®]-76 / KINOX[®]-76G is packed in 25 Kg corrugated boxes with polythene liner inside or as per agreed customer's requirement.

The information given in this document is only a recommendation, believed to be reliable and is given in good faith but without warranty. Our advice does not release users from the obligation of checking its validity. The user should test the product to ascertain the suitability for the intended use. These properties or the whole document is subject to change without any prior notice, at our sole discretion. We are under no obligation to recall earlier issued documents.

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