HPL Additives Limited

KINOX®-10 / KINOX®-10G

KINOX®-10 / KINOX®-10G is a high performance phenolic antioxidant for stabilisation of polymers

1 PRODUCT INFORMATION

Main constituent	:	Benzenepropanoic acid,3,5-bis(1,1-dimethylethyl)-4-hydroxy-2,2-bis[[3-(3,5-bis (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester or Pentaerythrityl tetrakis[3-(3,5-di-tert.butyl-4-hydroxyphenyl)propionate] CAS Number 6683-19-8 Mol. Formula $C_{73}H_{108}O_{12}$ Mol. Wt. 1178
Physical form	:	White to slightly yellowish powder / granules
TGA in air @ 20°C/min. **up to 310°C** **up to 355°C** **up to 415°C**	:	 1.0% wt. loss max. 10.0% wt. loss max. 50.0% wt. loss max.
Solubility acetone,	:	Insoluble in water and methanol. Soluble in benzene, chloroform & ethyl acetate.
Health, safety & handling information	:	Relevant information can be found in sheet no. HPLA/MSDS/PE/AO/001

2 SPECIFIED PROPERTIES

Melting point (°C) (open capillary tube method)	:	110-125
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 toluene)	:	Clear solution

an ISO 9001 ISO 14001 OHSAS 18001 company

3 SPECIAL FEATURES

KINOX®-10 / KINOX®-10G provides excellent antioxidant performance and thermal stability to polyolefins (PE & PP), styrene resins etc. because of its unique molecular structure. It also improves processing stability and long term heat stability.

KINOX®-10 / KINOX®-10G exhibits good resistance to discoloration at high temperatures usually encountered in thermoplastic polymers processing.

4 DOSAGE / APPLICATION

Performance data of KINOX®-10 / KINOX®-10G 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®-10 / KINOX®-10G is packed in 25 Kg corrugated boxes with polythene liner inside or as per agreed customer's requirement.

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