

HPL Additives Limited

KINOX®-34 / KINOX®-34G

KINOX®-34 / KINOX®-34G is a high performance phenolic primary antioxidant for stabilization of polymers

PRODUCT INFORMATION

Main constituent : 1,3,5-Triazine-2,4,6(1H, 3H, 5H)-trione, 1,3,5-

tris[{3,5-bis(1,1-dimethylethyl)-4-ydroxyphenyl}methyl]

or

1,3,5-Tris(3,5-di-tert.butyl-4-hydroxybenzyl)-

1,3,5-triazine-2,4,6(1H,3H,5H)-trione

CAS Number 27676-62-6 Mol. Formula $C_{48}H_{69}N_3O_6$

Mol. Wt. 784

Physical form : White crystalline powder / granules

TGA in air at 20 °C/min. :

 up to 280°C
 1.0% wt. loss max.

 up to 330°C
 10.0% wt. loss max.

 up to 379°C
 50.0% wt. loss max.

Solubility : Insoluble in water, sparingly soluble in methanol,

soluble in acetone & ethyl acetate.

Health, safety & handling

information

Relevant information can be found in sheet no. HPLA/MSDS/PE/AO/016

3 SPECIFIED PROPERTIES

Melting point (°C) : 218-223

(open capillary tube method)

Volatility (%w/w) : 0.3 max.

(2g/2h/105°C)

Sulphated ash (%w/w) :

 $(5g/800 \pm 50^{\circ}C)$

Solubility : Clear solution

(10g/100 ml acetone)

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0.1 max.

3 SPECIAL FEATURES

KINOX®-34/ KINOX®-34G provides excellent antioxidant performance and thermal stability to polyolefins (PE, PP & PB), engineering plastics such as styrene, linear polyesters, polyamides, PVC, PU, elastomers such as SBR, EPR, EPDM & other synthetic rubber.

4 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 & 175.105 for indirect food contact substance. Please refer above regulations before use.

5 PACKING

 $KINOX^{\circ}$ -34 / $KINOX^{\circ}$ -34G is packed in 20 / 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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