



Dongguan Baoxu Chemical Technology, Ltd.

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## ANTIOXIDANT 245 / IRGANOX 245

**Chemical name:** Ethylene bis (oxyethylene) bis[ $\beta$ -(3-tert-butyl-4-hydroxy-5-methylphenyl)propionate] or Triethylene glycol bis  $\beta$ -(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate

Formula	C <sub>34</sub> H <sub>50</sub> O <sub>8</sub>	
Molecular Weight	586.8	
CAS#	36443-68-2	

### Specification:

Appearance	White crystallized powder
Ash	Max.0.10%
Melting point	76-79°C
Volatilizing	Max.0.50%
Acetone	> 50
Benzene	18
Chloroform	> 40
Ethyl acetate	37
Ethanol	10
Solubility (20°C)	n-Hexane < 0.1
Methanol	12
Methylene chloride	> 40
Toluene	6
Styrene	6
Polyetherol	~ 3
Water	< 0.01
Assay, effective components	Min.96.0%

The information and statement herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility, Users should undertake sufficient verification and testing to determine the suitable for their own particular purpose of any information or products referred to herein. No warranty of fitness for a particular purpose is made.



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- Application:**
- >High extraction resistance; Low volatility; odorless; good color stability
  - >The product used as an antioxidant in styrene polymer (such as HIPS,MBS,ABS), engineering plastics (such as POM,PA), polyurethane(such as urethane elastic fiber ).also is effective as chain stopper during PVC polymerization
  - >0.05 – 0.1% of antioxidant 245 provides long term thermal stability to the polymer.
  - >can be used in combination with other additives such as Co-stabilizers, light stabilizer, other functional stabilizer. The effectiveness of the blends of antioxidant 245 with antioxidant 168 is noteworthy.

**Handing and Safety:**

- >For additional handing and toxicological information, please consult us for **Maternal Safety Date Sheet**

**Package:**

- >Packed with plastic bag in composite plastic woven sack , Net 25kg/bag, 1000kg/pallet, 10pallet/20'FCL , or according to customers' requirements.
- >Properly stored and protected, an unopened container of antioxidant 245 should have a shelf life of at least one year.

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