

Antioxidant JY-245

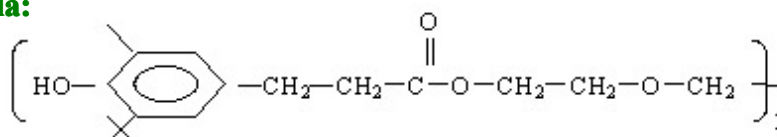
- **Chemical Name:**

Ethylene bis (oxyethylene) bis[β-(3-tert-butyl-4-hydroxy-5-methylphenyl)propionate] or Triethylene glycol bisβ-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate

- **Molecular Formula:** C₃₄H₅₀O₈

- **Molecular Weight:** M=586.8

- **Chemical Structure Formula:**



- **Typical Physical Properties:**

Item		Standard
Appearance		White Crystallized Powder
Melting Range (°C)		76~79
Volatile (%)		≤ 0.5
Solubility (2g/20ml, Toluene)		Clear 10g/100g Trichloromethane
Light Transmittance	425nm, %	≥ 95
	500nm, %	≥ 97
Ash Content (%)		≤ 0.05
Purity (%)		≥ 98

- **Applications:** It is a kind of high-effective asymmetric phenolic antioxidant, and its special features involves high efficient antioxidation, low volatility, resistance to oxidation coloring, significant synergistic effect with assistant antioxidant (such as monothioester and phosphite ester), and giving products good weathering resistance when used with light stabilizers. It is mainly used as process and long-time stabilizer for styrene polymer like HIPS, ABS, MBS, and engineering thermoplastics like POM and PA, while it also serves as end stopper of chain in PVC polymerization. In addition, the product has no effect on polymer reactions. When used for HIPS and PVC, it can be added into monomers before polymerization

- **Storage:** Stable in property. No special requirement but keep ventilation and away from water and high temperature.

- **Packing:** Cardboard boxes with plastic liners, net weight: 25kg/carton.

- **Recommended Dosage:** The recommended dosages are as follows, according to different application areas:

styrene polymer (like HIPS, ABS, MBS)	0.05%~0.5%
POM, thermoplastic PU	0.1%~0.5%
end stopper of chain in PVC polymerization	0.02%~0.05%