

Antioxidant ZX-1076 Product Instructions

Chemical Name: β -(3,5-二叔丁基-4-羟基苯基)丙酸正十八碳醇酯

English Name : n-Octadecyl- β -(4-hydroxy-3,5-di-tert-butyl-phenyl)-propionate

Quality standard :

Project	Metric	Project	Metric
Surface	White	Light transmittance	425nm $\geq 97.0\%$
Melting point	50°C~55°C		500nm $\geq 98.0\%$
Ash content	$\leq 0.1\%$	Main Content $\geq 98.0\%$	
Fugitive constituent	$\leq 0.2\%$	Solution clarity Clear	

Properties: This product is a white powder, odorless and tasteless. It has a melting point of 50°C–55°C and exhibits stable properties. It is readily soluble in solvents such as benzene, acetone, and esters, insoluble in water, and slightly soluble in ethanol. The product is free from contamination and demonstrates excellent compatibility. When used in combination with antioxidants such as AT-168 and DLTDP, it exhibits synergistic effects that enhance antioxidant performance.

Purpose: This product is a poly-rigid phenolic antioxidant that exhibits excellent compatibility with most polymers. It effectively prevents discoloration caused by light and heat exposure. Widely used in polymer materials such as PE, PP, PS, polyamide, polyformaldehyde, ABS resin, PVC, and synthetic rubber, it also protects oils and coatings from thermal-oxygen aging.

Packaging: The product is packaged in pallets (20 kg per bag/box $\times$ 50 bags/boxes, or 25 kg per bag/box $\times$ 40 bags/boxes).

Storage: Store in a well-ventilated, dry warehouse for up to 24 months.