

Antioxidant 1010

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
6683-19-8	229-722-6	Not assigned in stated reference	C73H108O12; 1177.65 g/mol

Product Description

Antioxidant 1010 is a high-molecular-weight hindered phenol used to interrupt oxidative degradation reactions in polymer systems. The supplied sheet gives an HPLC assay of at least 94% and effective content of at least 98%; these are distinct measurement bases and are listed separately. HPLC assay and effective content are different reported bases. Agree the analytical methods and required acceptance basis in the order.

Specifications

Parameter	Specification
Appearance	White crystalline powder
HPLC assay	≥94 %
Effective content	≥98 %
Melting range	110–128 °C
Ash	≤0.1 %
Volatile matter	≤0.5 %

Applications

- Polyolefin stabilization: Evaluate oxidative stability and additive dispersion in polyolefin processing.
- Elastomers and adhesives: Compare compatibility and aging performance in the intended elastomer or adhesive system.
- Coatings development: Assess the antioxidant alongside other stabilizers in qualified coating formulations.

Packaging and Storage

Packaging	20 kg bags or cartons.
Storage	Keep tightly closed in a cool, dry, ventilated place. Protect against moisture and contamination; keep away from incompatible materials. Avoid ignition sources, strong acids, bases and oxidizers.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration.

Company Contact

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The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.