

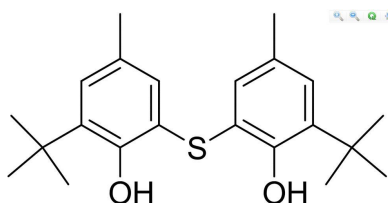
POLYMER ADDITIVES

JADEWIN AN 1081

Antioxidant

CHEMICAL COMPONENT

CAS	90-66-4
Molecular	C ₂₂ H ₃₀ O ₂ S
Molecular Weight	358.5



SPECIFICATION AND PHYSICAL PROPERTIES

TEST	UNIT	SPECIFICATION
APPEARANCE		FINE WHITE CRYSTALS
ASH CONTENT	%	≤0.05
LOSS ON DRYING (100℃, 4H)	%	≤1.0
IRON (FE)	%	≤0.0060
MELTING POINT	℃	79-84
CHLORIDE	%	≤0.2

FEATURE AND APPLICATION

- Antioxidant 1081 is a typical thio- bisphenol- type antioxidant. Thanks to its special chemical structure, it performs dual functions as a free- radical terminator and hydroperoxide decomposer. It exhibits excellent synergistic effect when used together with carbon black, which is incomparable to ordinary common antioxidants. It serves as an efficient primary antioxidant for rubber, polyolefins, plastics and their finished products. It delivers particularly outstanding performance for polyethylene cable and wire materials, hence it is widely adopted in the wire- and- cable industry at home and abroad.
- Performance Advantages: The benefits of Antioxidant 1081 used in polyethylene are as follows:
 1. Better retention of physical properties of raw materials (such as tensile strength, elongation, melt index, etc.).
 2. Good preservation of electrical properties.

3. High thermal stability.
4. Improved weather resistance of finished articles.
5. Its anti- aging effect is four times that of ordinary anti- aging agents.
6. Lower volatility compared with other commonly- used antioxidants.
7. Special synergistic effect when compounded with carbon black.

●Advantages of crystalline Antioxidant 1081:

1. Light color
2. High crystallinity
3. Odor- free
4. 10- 15 % higher efficiency in polyethylene than crude product

PACKING

25KG FIBER DRUM

STORAGE

Keep container tightly closed and dry and storage in cool place

DISCLAIMER

For your information: The usage recommendations contained in this document are based on the general performance characteristics of our products and are provided for the buyer's reference only. These recommendations do not constitute any form of commitment, warranty, or part of a contract, nor should they be construed as an infringement of any patent rights. All data and results originate from controlled laboratory studies. The buyer must conduct testing and verification based on their specific application conditions to confirm the accuracy and applicability of this information.