

POLYMER ADDITIVES

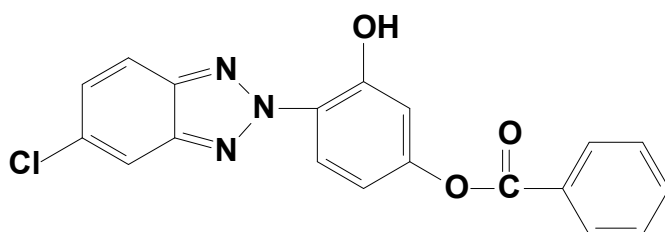
JADEWIN UV 366

CHEMICAL COMPONENT

COMPONENT 2-(2-hydroxy-4'-benzoyloxyphenyl)-5-chloro-benzotriazole

CAS 169198-72-5

Molecular $C_{19}H_{12}ClN_3O_3$



SPECIFICATION AND PHYSICAL PROPERTIES

TEST	UNIT	SPECIFICATION
APPEARANCE		PALE YELLOW POWDER
PURITY	%	≥98.50
MELTING POINT	°C	181-185
VOLATILE MATTER (105±2°C)	%	≤0.5
ASH CONTENT (625±25°C)	%	≤0.2
TRANSMITTANCE (0.5% SOLUTION) AT 425NM	%	≥97.0

FEATURE AND APPLICATION

Uv-366 is a novel UV absorbent that strongly absorbs ULTRAVIOLET light, chlorine-free benzene, showing a higher UV absorption rate than conventional hydroxy-substituted benzotriazole or benzophenone, thus providing maximum protection against photodegradation of polymers. Compared with other traditional uv absorbent, it has the characteristics of high molecular weight, not volatile, resistant to extraction and easy to process. Uv-366 appearance is light yellow, will not cause polymer coloring and discoloration, long-term exposure in light and heat can still maintain the original transparency or color of products. Uv-366 can be used alone or with light stabilizers such as hindered amine compounds, directly with resins or masterbatches, or dissolved in solvents, and coated on surfaces. The recommended dosage is 0.25-0.3%. Uv absorption effect is obviously better than other traditional uv absorbent. Suitable for PP, PE; Can also be used for polystyrene, ABS resin, PVC, nylon, polyurethane, etc. Uv-366 is benzotriazole type UV

absorbent, can effectively inhibit the occurrence of photooxidation degradation reaction, protect fiber materials, greatly improve the grade of textile products.

The UV-366 has the following advantages:

- (1) high uv protection efficiency, uv molar extinction coefficient is 2.6 times of benzophenone uv absorbent, is the traditional benzo triazole (alkyl phenol derivative) uv absorbent 1.8 times.
- (2) strong adsorbability, its adsorbability to fiber especially to microfiber is stronger than triazine uv absorbent. Especially for polyester fiber has excellent performance.

PACKING

25Kg CARTON

STORAGE

Keep container tightly closed and dry and storage in cool place

DISCLAIMER

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