

## POLYMER ADDITIVES

### JADEWIN UV327

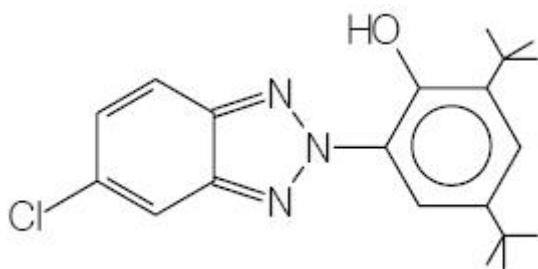
#### CHEMICAL COMPONENT

COMPONENT 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole

CAS 3864-99-1

Molecular C<sub>20</sub>H<sub>24</sub>ClN<sub>3</sub>O

M.W 358



#### SPECIFICATION AND PHYSICAL PROPERTIES

TEST	UNIT	SPECIFICATION
APPEARANCE		SLIGHTLY YELLOW POWDER
ASSAY	%	99.00MIN
VOLATILES	%	0.50MAX
ASH	%	0.05MAX
MELTING POINT	°C	154.00-157.00
TRANSMITTANCE		
460nm	%	97.00MIN
500nm	%	98.00MIN
TGA214°C5%	230°C10%	267°C50%

#### FEATURE AND APPLICATION

\* JADEWINUV327 is a strong absorber of ultraviolet radiation in the 290~400 nm region and has a high degree of photostability - photochemical energy absorbed in the ultraviolet region is dissipated as thermal energy.

\*Exhibits good initial color, low volatility, excellent stability to heat and light, superior wash fastness, and resistance to gas fading.

- \* Is particularly suitable for polypropylene and polyethylene as well as cold cured polyesters, polyurethanes, dyes, and pigments.
- \* The low pKa and high hindrance of the phenolic group result in low sensitivity to metal-containing ingredients in polymer formulation - catalyst residues, metallic driers, etc.
- \* Can be used in combination with phenolic & phosphite antioxidants, and HALS to optimize performance in outdoor use
- \* Should be stored in a cool, dry, well ventilated area, away from direct sunlight.
- \* For additional information please consult the Material safety Data Sheet.

#### PACKING

20KG Carton Box      25Kg Carton Box

#### STORAGE

Keep container tightly closed and dry and storage in cool place

#### CHEMICAL INVENTORIES

Australia - AICS  
Canada - DSL  
EU - EINECS  
China - IECSC  
Japan - ENCS  
Korea - ECL  
USA - TSCA  
Philippines - PICCS