



# MAXGARD® 300

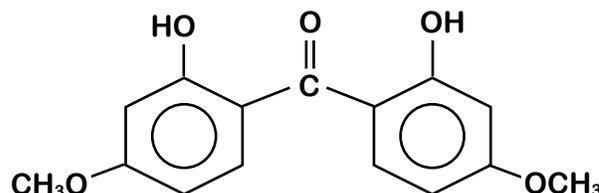
UV Stabilizer (131-54-4) Benzophenone-6

## Technical Information

181 Cooper Drive  
El Dorado, AR 71730  
(870)881-5000

**MAXGARD 300** is an effective light stabilizer for protecting plastics and coatings from the damaging UV radiation which is a component of natural sunlight. It is effective in increasing the lightfastness of dyes on both polyester window film and polyester fabrics. It is especially useful for decreasing the UV transmittance of polyester window film.

**MAXGARD 300** is lower in cost than equivalent tetrasubstituted benzophenone UV stabilizers.



**MAXGARD 300**

2,2'-Dihydroxy-4,4'-dimethoxybenzophenone

$C_{15}H_{14}O_5$  - FW 274

CTFA - Benzophenone 6 CAS No. 131-54-4

## Applications

**Plastics** - Polyester film, rubber

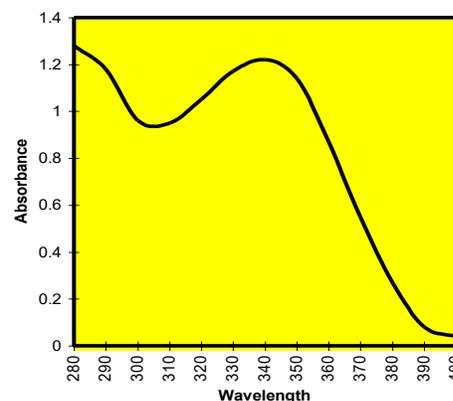
**Coatings** - Polyurethanes, furniture stains and varnishes, nitrocellulose lacquers, fluorescent pigments, photographic emulsions

**Textiles** - Dyed polyester fabrics

**Adhesives** - Acrylic

**MAXGARD 300  
UV Absorbance**

25 mg/l in  
Methanol



## Physical and Chemical Properties

**Physical form** - Light yellow powder

**Melting Point** - 130-140°C

**Mass Density** - 1.34 g/cm<sup>3</sup> at 25°C

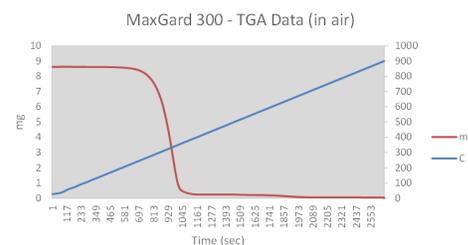
**Std. K-Value** - 51 at 339nm

**TGA Data –Mass Loss**

1% mass loss (218.93°C)

5% mass loss (260.42°C)

10% mass loss (278.32°C)



The product is available in 50kg fiber drums (5 drums per pallet).

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