

Eversorb[®] 11

Benzophenone type UV absorber for plastic applications

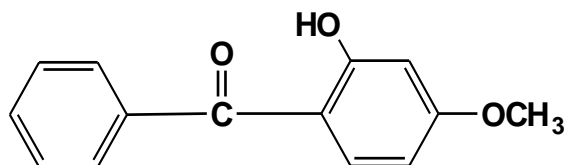
Introduction

Eversorb[®] 11 has excellent photochemical, heat stability and is compatible with many polymers.

Chemical Name

2-hydroxy-4-methoxy-benzophenone

Chemical Structure



(CAS number) 131-57-7

Molecular Weight 228 g/mol

Physical Properties

Appearance

Slightly yellowish powder

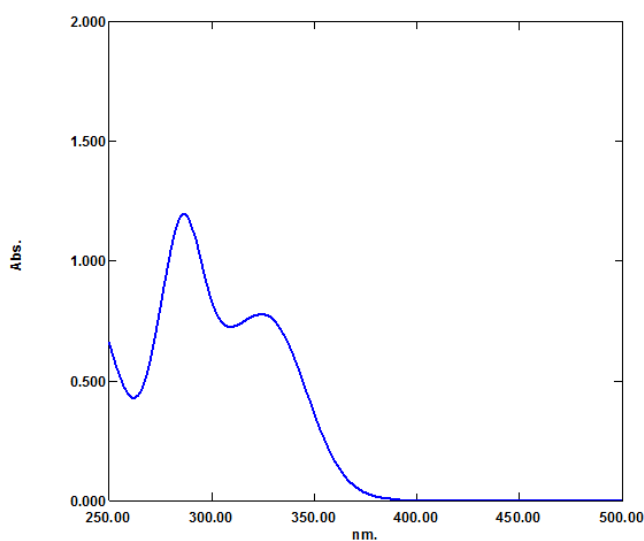
Melting point

62.0°Cmin

Solubility at 25°C (g/100g solvent)

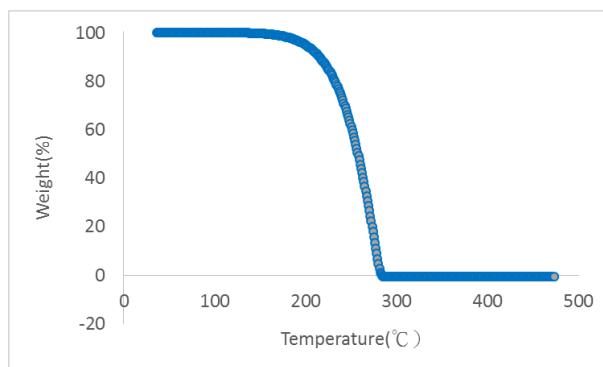
Isopropyl alcohol : 5.0
Ethyl alcohol(95%) : 5.0
Ethyl glycol : 0.7
Propylene glycol : 1.8
Water : < 0.01

UV-Vis. Spectrum $\lambda_{\text{max.}}=289\text{nm} \ \& \ 324\text{nm}$ (20ppm in THF)



TGA scans

5% weight loss: 175°C (Ramp: 10.0°C/min to 800°C)



Advantages

Very strong and broad UV absorptive in the region from 270 to 350 nm.

Readily compatible with many polymers.

Provide no effect on initial color of substrates.

Recommendation

Eversorb® 11 is particularly recommended for using in coatings and cosmetics. It is also effective to protect PVC and unsaturated polyester resins.

Handling & Safety

Personal equipment for protection is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling.

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Storage Conditions

Eversorb® 11 should be kept in a dry, dark place without any light exposure.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose. Seller makes no representation or warranty to express or implied including of merchantability or fitness for particular purpose.

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