

Eversorb[®] 51

Benzophenone type UV absorber for plastic applications

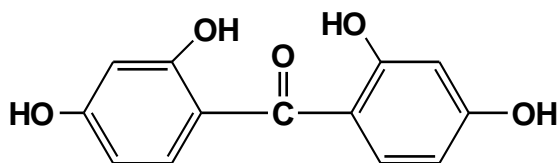
Introduction

Eversorb[®] 51 is a strong, broad UV light absorption and has excellent polymer compatibility, retards yellowing, embrittlement, and mechanical property degradation of the polymer under light exposure.

Chemical Name

2,2',4,4'-tetrahydroxybenzophenone

Chemical Structure



(CAS number) 131-55-5

Molecular Weight 246 g/mol

Physical Properties

Appearance

Yellow powder

Melting point

195.0°C min.

Solubility at 25°C (g/100g solvent)

Ethyl alcohol : 50

Ethyl Acetate : 10

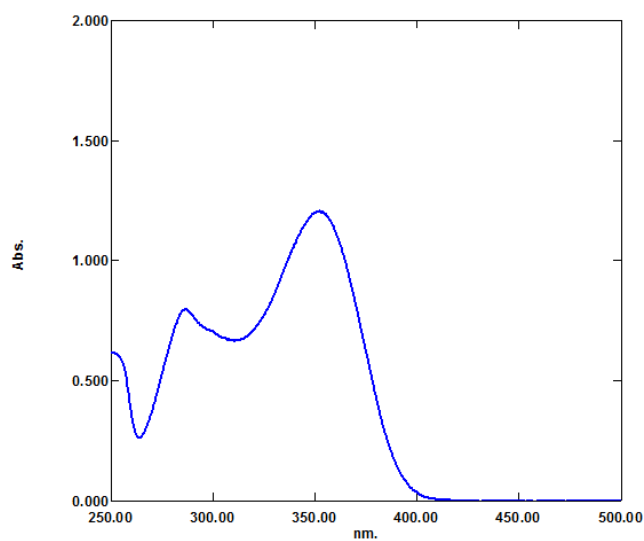
MEK : 20

Toluene : <1.0

Water : < 1.0

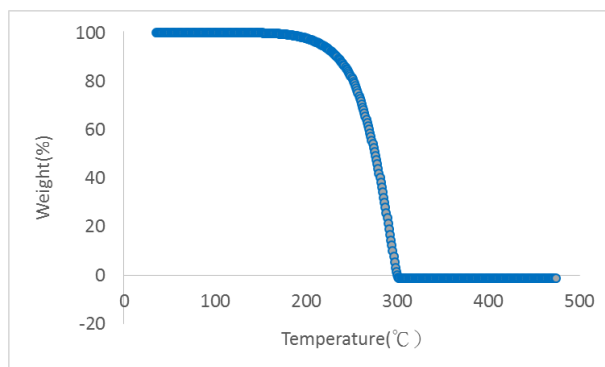
UV-Vis. Spectrum

$\lambda_{\text{max.}}=352\text{nm} \ \& \ 286\text{nm}$ (20ppm in THF)



TGA scans

5% weight loss: 215°C (heating rate 20°C /min. in air)



Recommendation

Eversorb® 51 is particularly recommended for PET and polycarbonate.

Handling & Safety

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

Storage Conditions

Eversorb® 51 should be kept in a dry, dark place without any light exposure.

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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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