

semaSORB[®] UV180

UV-absorber

CAS: 248938-72-9

Code: 6787

page 1 of 2

product description

Light-protective for technical applications - e.g. polymers, PMMA, PP, PVC, PET - employment concentrations depending upon layer thickness: 0.2 - 0,5 % by weight. - combinations with HALS (0,1 - 0,25 % by weight) are possible amongst others.

Specification

Chemical formula

C₂₇H₃₁N₅O₂

Molecular weight

345,35 g·mol⁻¹

Chem. name

1-(3-(2H-benzo[d][1,2,3]triazol-2-yl)-2-hydroxy-5-(2,4,4-trimethylpentan-2-yl)phenyl)-3-phenylurea

appearance

light yellow, powder

melting point

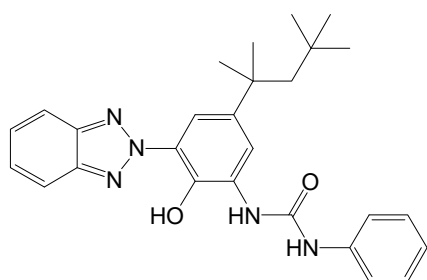
198 - 200°C

Identity

NMR/ ESI-MS

Appearance of the solution
(1 %, ethanol)

Light yellow, clear



° Solubility at 20°C, wt%

Acetone

6.0

Ethanol

1.5

Methanol

0.4

Isopropanol

2.0

Acetylacetone

3.0

EMC (ethyl methyl cetone)

6.0

Dichloromethan / methanol (9+1, v/v)

9.0

Dichloromethan / ethanol (9+1, v/v)

4.5

Gasoline

< 0.01

Xylene

< 0.01

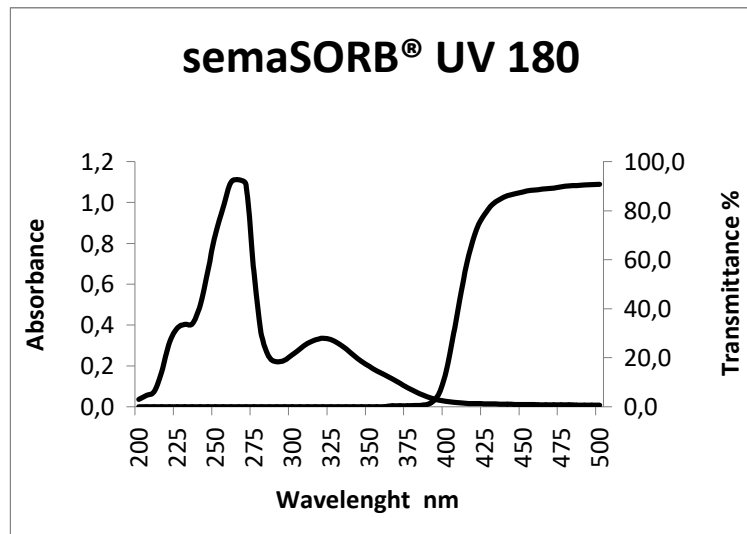
Water

< 0.01

UV-spectrum

absorbance: 10mg/l ethanol

transmittance: 1g/l ethanol

**storage**

Dry and protected. Keep the opened packages sealed.

safety instructions

In the case of intended use and professional processing of semaSORB® UV180 no unfavourable effects arose. After our past experiences and us these information semaSORB® UV180 during appropriate handling under adherence to while handling chemicals the necessary caution and hygienically working preventive measures an effect basis injurious to health are not caused.

Basis for our information are our present knowledge and experiences. They do not relieve the user because of the variety of possible influences with processing and application of our products of solely responsible examinations on the suitability for the intended purpose. Valid laws and regulations as well as possible patent rights are to be considered.

se ma Gesellschaft für Innovationen mbH

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