

SpeedBlock AO1

Feb-2022 v.9

Technical Data Sheet

General Information

SpeedBlock AO1 is a highly efficient non discolouring sterically hindered phenolic antioxidant for use in polymer processing. SpeedBlock AO1 provides long term thermal stability at ppm addition levels and is typically used for polyolefin processing at 0.1 - 0.5%.

Chemical Name

Tetrakis[methylene(3,5-di-tert-butyl-4-hydroxyhydro-cinnamate)]methane

CAS Number

6683-19-8

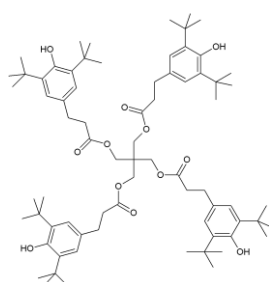
EC Number

229-722-6

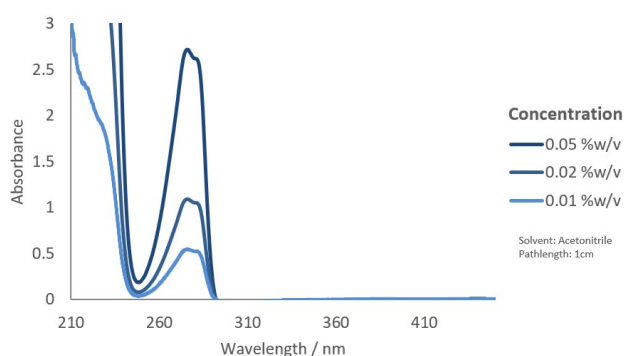
Mol. Wt.

1177.6

Structure



UV Spectrum



Specification (LAM 316)

Appearance :	White powder
Assay :	≥ 98.0 %
Melting Point Range :	110.0 - 125.0 °C
Loss on Drying (%w/w, 60°C, 3 hours under vacuum) :	≤ 0.5 %w/w
Transmittance (UV SpectroPhotometer - 425nm) :	≥ 96.0 %
Transmittance (UV SpectroPhotometer - 500nm) :	≥ 98.0 %

Applications

- Polyolefins
- Adhesives
- Polyurethanes
- Elastomers
- Styrene homo- and copolymers

Storage and Handling

Stable for at least 2 year(s) at 20°C in a sealed container in the dark. A Safety Data Sheet is available on request.

Transport Classification

(EUROPE AND USA) NON-HAZARDOUS

Global Inventories

EINECS, TSCA, DSL, AICS, NZIoC, IECSC, CSCL, ECL, PICCS, TSCI

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