



THE HANSON GROUP. LLC  
GOOD PEOPLE, GREAT SCIENCE

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## TECHNICAL DATA SHEET

# UV-770

January 2024

<b>Product Name:</b>	Bis(2,2,6,6-tetramethyl-4-piperidine)sebacate
<b>Synonyms:</b>	UV-770
<b>CAS No.</b>	52829-07-9
<b>Empirical Formula</b>	C <sub>22</sub> H <sub>29</sub> N <sub>3</sub> O
<b>Formula Weight</b>	481

### Test

Appearance:

Assay (G.C.):

M.P., °C:

Light Transmittance

425 (nm)

500 (nm)

### Specification

White with light yellow powder or pellet

99.0% min.

81.0 ~ 85.0 °C

98.0% min.

99.0% min.

### Characterization:

UV- 770 is a hindered amine light stabilizer (HALS) for applications demanding particularly high light stability. It provides excellent light stability for thick sections but can also be used for articles with a high surface area such as films and tapes.

### Application:

UV- 770 is recommended to be used in polypropylene, impact modified PP (TPO), EPDM, polystyrene, impact polystyrene, ABS, SAN, ASA and polyurethanes and is also effective in polyamides and polyacetals.

### Features:

UV-770 is a low molecular weight hindered amine light stabilizer that provides excellent light stability for thick sections and films in the recommended substrates. The benefit of using UV-770 is the high light-stabilizing performance, particularly in PP thick sections. It has broad compatibility and can be easily dispersed. Compared to conventional UV-absorbers, the effectiveness of UV-770 is less dependent on the polymer's thickness. For this reason, the use of UV-770 also provides good light stability in articles with higher specific surface, e.g. films and tapes.



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- Storage:** Keep container tightly closed, in a cool place and away from moisture and heat. Protect from fire, static discharges, acids and acid forming substances.
- Package:** UV-770 is available in 25 kg carton box with inner anti-static PE bag.
- Safety:** Handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Avoid contact with eyes. Avoid release to the environment. Avoid dust formation and ignition sources.
- Shelf life:** 24 months under recommended storage conditions. After 24 months, retest material.
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