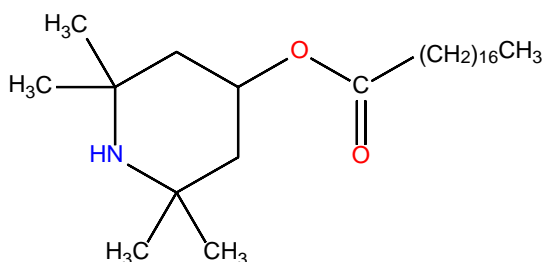


PowerStab™ 3853 HALS UV Stabilizers

Introduction	PowerStab™ 3853 is a hindered amine light stabilizer (HALS).
Chemical Name	Fatty acids, C12–21 and C18–unsaturated, 2,2,6,6-tetramethyl -4-piperidinyl stearate
CAS Number	167078-06-0
EINECS Number	605-462-2

Chemical Structure



Chemical Formula	$C_{27}H_{53}NO_2$
Molecular Weight	424

Physical Properties

Appearance	White Powder
Melting Point (°C)	42-48
Freezing Point (°C)	Max.-10
Color of Solution 460nm (%)	Min.90
Color of Solution 500nm (%)	Min.93
Ash (%)	Max.0.5
Purity (%)	Min.95

Benefits & Applications

PowerStab™ 3853 is a hindered amine light stabilizer (HALS) which is effective in a broad range of polymers and applications, including PP film/tape/injection molding applications, TPO, and PE film/tape/injection molding. The product can also be used for the light stabilization of polyacetals, polyamides, styrenic polymers, and PUR. It is also available in concentrate form for easier handling and dosing in polymer processing

PowerStab™ 3853 HALS UV Stabilizers

operations.

End use applications for which this product is ideal include PP and TPO automotive parts, TPO roofing membranes, PE crates, and PP outdoor furniture.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

PowerStab™ 3853 is supplied in 25kg carton.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.