

PowerStab™ 3853

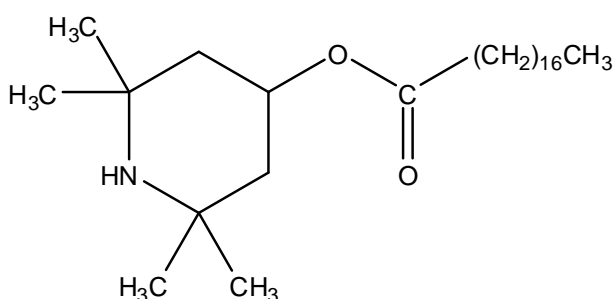
New Materials Creating New Performances

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Chemical Name

Fatty acids, C12–21 and C18–unsaturated, 2,2,6,6–tetramethyl–4–piperidyl stearate

Chemical Structure



Introduction

PowerStab™ 3853 is a hindered amine light stabilizer (HALS).

Physical Properties

CAS No.	167078-06-0
EC No.	n.a.
Formula	C ₂₇ H ₅₃ NO ₂
Molecular Weight	424
Melting Point(°C)	42-48
Freezing Point(°C)	Max.-10
Color of Solution 460nm (%)	Min.90
Color of Solution 500nm (%)	Min.93
Appearance	White Powder
Ash(%)	Max.0.5
Min. Purity	95%

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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 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 and 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.

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