

TECHNICAL DATA SHEET

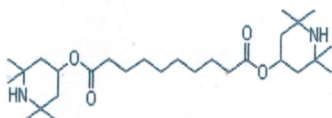
RUNUV® 770 Light stabilizer

INTRODUCTION

CAS Number: 52829-07-9

Chemical Name: Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

Structure:



RUNUV® 770 is a hindered amine light stabilizer (HALS) of N-H type that protects polymers from degradation due to ultraviolet radiation and long-term heat aging.

CHARACTERISTICS & USAGES

RUNUV® 770 is effective in using in PP, PE, ethylene-propylene copolymer and terpolymer, polyurethane, ABS, PS, HIPS, SAN and PVC. Can be used alone or in combination with higher molecular weight HALS for the UV stabilization of both thick and thin cross section articles including tapes, films, automotive parts, and lawn furniture. Can be used in combination with phenolic & phosphite antioxidants, higher molecular weight HALS, and UVA's to optimize performance in outdoor use.

Use with sulfur-containing additives such as DSTDP or DLDTP can have a negative influence on the effect of RUNUV® 770.

HEALTH AND SAFETY

Direct contact with this material may cause allergic skin reaction and mild eye irritation. Dusts can form an explosive mixture with air. For additional information please refer to the Material safety Data Sheet.

TYPICAL PROPERTIES

TYPICAL PROPERTIES	VALUE
Color	White
Appearance	Granule
Melting Point	81-86°C
Molecular weight	480 g/mol
Ash Content	≤ 0.1 %
Volatile Content	≤ 0.5 %
Transmittance	425 nm ≥ 98%, 500 nm ≥ 99%
TGA(10%)	290°C

Solubility (20°C)	g/100 g solution
Acetone	19
Chloroform	45
Ethyl acetate	24
n-Hexane	5
Methanol	38
Methylene Chloride	56
Water	< 0.01

STORAGE

Should be stored in cool, dry, well-ventilated environment, away from incompatible materials. Store away from heat, sparks, and flame. Keep container tightly closed.

Before using, please consult the Material Safety Data Sheet for additional information on safety and handling procedures, and recommended personal protective equipment.

Shipping Container:

25kg plastic bag or according to customer's request.