

Introduction

Chiguard® 5577 is a low volatility, high performance ultraviolet light absorber of the hydroxyphenyl triazine class. It exhibits high compatibility with a variety of polymers and resin compositions. Chiguard® 5577's non-basic nature makes it especially ideal for base sensitive polymers such as polyester and polycarbonate.

Application

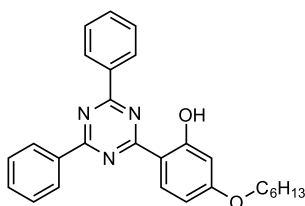
Film applications:

- PET
- PBT
- PC

* Chiguard® 5577 is approved for indirect food contact usages in PC, polyester and PET by FDA.

Chemical Information

Structure



Chemical name

2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-hexyloxy-phenol

Chemical formula

C₂₇H₂₇N₃O₂

CAS No.

147315-50-2

Molecular weight

425.21

Physical Data

Appearance	: Pale yellow powder
Odor	: Odorless
Vapor pressure	: 9x10 ⁻¹⁰ @25 °C
Melting point	: 148 °C
Specific gravity	: 1.02 @ 20 °C
Assay	: 98% min.
Volatiles	: 0.5% max.
Clarity of solution	: Clear solution
Transmittance	: 96% @500 nm

Solubility (g in 100 ml solvent @20 °C)

Acetone	: 3.0
Ethanol	: 0.1
Hexane	: 0.5
Methylene chloride	: 20
Toluene	: 15
Water	: Nil

UV Spectrum

