

M Chemical GUARD DOGâ„ž UV1577 Light Absorber, Triazene Derivative

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

GUARD DOGâ„ž UV1577 UV absorber is a low volatile Triazine based UV absorber which is highly effective in polymers that are processed at high temperature (decomposition temperature > 350Â°C). Applications: Extremely effective in PP, SBS, footwear, SEBS, acetal, acrylic, PET, PMMA, PBT, PC and is recommended for thin section and fiber applications suitable for food contact applications. Performance Benefits: Strong absorption of UV radiation in the 300 - 400 nm regions Low initial color and low volatility during high processing temperatures and have good extraction resistance. Typical Properties: Free flowing, pale yellow powder Solubility (g/100ml @ 20Â°C): Acetone 2, Benzene 10, CHCl₃ 35, MeCl 34, MEK 13, Toluene 20

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Chemical-GUARD-DOG-UV1577-Light-Absorber-Triazene-Derivative.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
Molecular Weight	425.52 g/mol	425.52 g/mol	
Vapor Pressure	2.00e-15 bar	1.50e-12 torr	

Thermal Properties	Metric	English	Comments
Melting Point	147 - 151 Â°C	297 - 304 Â°F	
Flash Point	>= 150 Â°C	>= 302 Â°F	Ignition

Descriptive Properties	Value	Comments
CAS Number	147315-50-2	
Molecular Formula	C ₂₇ H ₂₇ N ₃ O ₂	
Name	2-(4,6-diphenyl-1,3,5-triazin-2-yl)-5-[(hexyl)oxy]phenol	
Purity (%)	>98	by HPLC
Recommended Dosage	0.15 - 0.60%	depending upon the substrate and performance requirements

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