

M Chemical GUARD DOGâ„¸ UV123 HALS Light Stabilizer

Category : Fluid , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

GUARD DOGâ„¸ UV123 hindered amine light stabilizer is highly effective in protecting polymers against degradation caused by exposure to UV radiation. Applications: GUARD DOGâ„¸ UV123 is mainly used in Coatings, Printing Ink, Liquid Color Concentrates, Polyolefins, Polyurethane, Sealants, Adhesives, Elastomers, Unsaturated Polyesters, Acrylics and Styrenics. This stabilizers protects automotive coatings from UV degradation. it also exhibits synergy when used in combination with benzotriazole absorbers. Typical Properties: Product Form - Yellow viscous liquid Monomer content - 65% minimum (based on LC assay) Dimer content - 20% maximum (based on LC assay)

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Chemical-GUARD-DOG-UV123-HALS-Light-Stabilizer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Solubility	>= 6.0 ppm	>= 6.0 ppm	Water
Molecular Weight	737.15 g/mol	737.15 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	<= -30.0 Å°C	<= -22.0 Å°F	
Flash Point	>= 150 Å°C	>= 302 Å°F	Ignition

Optical Properties	Metric	English	Comments
UV Transmittance	>= 95 %	>= 95 %	
	@Thickness 0.425 mm	@Thickness 0.0167 in	
	>= 95 %	>= 95 %	
	@Thickness 0.450 mm	@Thickness 0.0177 in	
	>= 97 %	>= 97 %	
	@Thickness 0.500 mm	@Thickness 0.0197 in	

Descriptive Properties	Value	Comments
CAS Number	129757-67-1	
Molecular Formula	C ₄₄ H ₈₄ N ₂ O ₆	

Bis-(1-octyloxy-2,2,6,6-tetramethyly-4-piperdinylyl)

Name	Substrate	
Descriptive	Value	Comments
Properties		
Recommended	1 - 2%	depending upon the substrate and performance requirements
Dosage		

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