

M Chemical GUARD DOGâ„¸ UV944 HALS Light Stabilizer

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

GUARD DOGâ„¸ UV944 hindered amine light stabilizer is a highly effective radical scavenger that protects polymers against degradation caused by exposure to UV radiation. It is an oligomeric HALS characterized by extremely low volatility, high thermal stability and excellent compatibility with many substrates. its oligomeric structure makes it particularly effective when used in thin section articles such as fiber and film and also finds application as an antioxidant for long term thermal stability and as a heat stabilizer in a wide range of polymers. Warning: GUARD DOGâ„¸ UV944 can adversely react with compounds such as flame retardants, pesticides and fine chemicals that contain sulfur or halogens. Applications: Extremely effective in LDPE, HDPE, PP resin, elastomers, blends and fiber, XPE, EVA films, ABS, PS, polyurethanes, polyamides and polyacetals and is recommended for thin and thick sections and also in film applications. Typical Properties: Product Form - Pale yellow powder or pastille Solubility@ 20Â°C (g/100ml solvent): Acetone - 50, Water -

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Chemical-GUARD-DOG-UV944-HALS-Light-Stabilizer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc @Temperature 20.0 Â°C	1.01 g/cc @Temperature 68.0 Â°F	
Volatiles	<= 1.0 %	<= 1.0 %	
Molecular Weight	2000 - 3100 g/mol	2000 - 3100 g/mol	
Ash	<= 0.10 %	<= 0.10 %	

Thermal Properties	Metric	English	Comments
Melting Point	100 - 135 Â°C	212 - 275 Â°F	
Flash Point	>= 160 Â°C	>= 320 Â°F	

Optical Properties	Metric	English	Comments
UV Transmittance	>= 93 % @Thickness 0.425 mm	>= 93 % @Thickness 0.0167 in	
	>= 95 % @Thickness 0.450 mm	>= 95 % @Thickness 0.0177 in	

Component Elements Properties	Metric	English	Comments
Nitrogen, N	4.6 %	4.6 %	

Descriptive Properties	Value	Comments
CAS Number	70624-18-9 (USA) / 71878-19-8	
Molecular Formula	(C ₃₅ H ₅₄ N ₈) _n	n = 4-5
Name	Poly-{{6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diy}}[(2,2,6,6-tetramethyl-4-piperidiny)imino] 1-1,6-hexanediy}}[(2,2,6,6-tetramethyl-4-piperidiny)imino}}	
Recommended Dosage	0.10 - 0.30%	depending upon the substrate and performance requirements

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China