

M Chemical GUARD DOGâ„¸ UV234 Light Absorber, Benzotriazole Derivative

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

GUARD DOGâ„¸ UV234 UV absorber is a low volatile benzotriazole 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 range. The absorption maxima are 302 nm and 343 nm Low initial color and low volatility during high processing temperatures and has good extraction resistance Typical Properties: Free flowing pale yellow powder Solubility (g/100g @ 25Â°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-UV234-Light-Absorber-Benzotriazole-Derivative.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc @Temperature 20.0 Â°C	1.22 g/cc @Temperature 68.0 Â°F	
Molecular Weight	447.58 g/mol	447.58 g/mol	
Vapor Pressure	2.00e-15 bar	1.50e-12 torr	

Thermal Properties	Metric	English	Comments
Melting Point	137 - 141 Â°C	279 - 286 Â°F	
Flash Point	>= 150 Â°C	>= 302 Â°F	Ignition

Optical Properties	Metric	English	Comments
UV Transmittance	>= 95 % @Thickness 0.460 mm	>= 95 % @Thickness 0.0181 in	
	>= 97 % @Thickness 0.500 mm	>= 97 % @Thickness 0.0197 in	

Descriptive Properties	Value	Comments
CAS Number	70321-86-7	
Molecular Formula	C ₃₀ H ₂₉ N ₃ O ₃	
Name	2-[2-Hydroxy-3,5-di(1,1-dimethylenyl)-phenyl] 2H-benzotriazole	

Recommended Descriptive Properties	Value	Comments
--	-------	----------

0.15-0.60%

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