

M Chemical GUARD DOGâ„¸ UV9 Light Stabilizer, Benzophenone Derivative

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

GUARD DOGâ„¸ UV9 light stabilizer is a derivative of Benzophenone that has an exceptionally strong and broad-range of UV absorption properties (UV A 315 -400 nm and UV B 290 - 314 nm) throughout the UV spectrum. It is a highly efficient UV absorber and is recommended for thermoset plastics and coatings that function as ultraviolet screens for photosensitive substrates. It is stable to heat and light and does not decompose below 200Â°C. Applications: Extremely effective in PS, rigid and flexible PVC, Thermoset polyester, PMMA, short, medium and long chain alkyds, phenolic and other solvent based systems. Performance Benefits: Highly effective and efficient UV absorber with minimal color contribution. Ideal for use in coatings, PVC and thermoset polyester systems. Excellent compatibility with polymers and other stabilizer chemistries. Typical Properties: This product is a pale yellow crystalline powder, freely soluble in most organic solvents and is not soluble in water. Solubility (g/100g @ 25Â°C): Benzene 128, 95% Ethanol 6.2, Methylene Chloride 147, Styrene 105

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Chemical-GUARD-DOG-UV9-Light-Stabilizer-Benzophenone-Derivative.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc @Temperature 25.0 Â°C	1.32 g/cc @Temperature 77.0 Â°F	
Solubility in Water	0.0 %	0.0 %	
Particle Size	<= 0.328 Âµm	<= 0.328 Âµm	
Molecular Weight	228.24 g/mol	228.24 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	62.0 - 65.0 Â°C	144 - 149 Â°F	

Descriptive Properties	Value	Comments
CAS Number	131-57-7	
FDA	complies	Section 177.1010 - for use in contact with food
Molecular Formula	C ₁₄ H ₁₂ O ₃	
Name	2-hydroxy-4-methoxybenzophenone	
Recommended Dosage	0.1 - 0.5%	in total polymer

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