

## M Chemical GUARD DOGâ„¸ UV1164 Light Absorber, Triazene Derivative

Category : Other Engineering Material , Additive/Filler for Polymer

**Material Notes:**

GUARD DOGâ„¸ UV1164 light stabilizer is a derivative of Triazine 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. Applications: It is mainly used in polycarbonate, polystyrene, acrylate, olefin, hydrocarbon, etc. It has good compatibility and low volatility and can be used in combination with other UV absorbers. It is used in PE or PP film, tape, Sheet and other resin systems such as Polyamides, PET, ASA, PETG, PMMA, PBT and PC (cap stock and general purpose). Performance Benefits: Strong and broad UV absorption with minimal color contribution. High thermal stability (10% wt. loss at 347Â°C) Minimal interaction with metals and has high permanence (low volatility and high light stability). Excellent compatibility with engineering polymers, polyolefins and other stabilizer chemistries. Typical Properties: Light yellow powder Solubility (g/100g @ 25Â°C): Butanol 3.0, BA and MEK 17.0, Xylene 25.0, 1methoxy-2- Propanol Acetate 11.0 Max, nm: 293 & 342

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_M-Chemical-GUARD-DOG-UV1164-Light-Absorber-Triazene-Derivative.php](http://www.lookpolymers.com/polymer_M-Chemical-GUARD-DOG-UV1164-Light-Absorber-Triazene-Derivative.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
Molecular Weight	509.69 g/mol	509.69 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	88.0 - 91.0 Â°C	190 - 196 Â°F	

Descriptive Properties	Value	Comments
CAS Number	2725-22-6	
Molecular Formula	C <sub>33</sub> H <sub>39</sub> N <sub>3</sub> O <sub>2</sub>	
Name	2-[4, 6-Bis (2, 4-dimethylphenyl)-1, 3,5-triazin-2-yl]-5-(octyloxy) phenol	
Recommended Dosage	0.05 - 1.0 wt%	

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