

## M Chemical GUARD DOGâ„¸ UVP Benzotriazole UV Absorber

Category : Other Engineering Material , Additive/Filler for Polymer

**Material Notes:**

GUARD DOGâ„¸ UVP light stabilizer is a derivative of Benzotriazole that has exceptionally strong and broad-range 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: Extremely effective in Styrenic polymers, PVC, polycarbonate, ABS, unsaturated polyesters, PU, acrylic polymers, natural rubber, synthetic rubber, paints, synthetic fiber, cellulose resin and adhesives. Performance Benefits: Guard Dogâ„¸ UVP performs synergistically when used in combination with Hindered Amine Light Stabilizers (HALS) Very high degree of photostability and resistant to oxidizing and reducing agents High heat resistance (5% wt. loss @ 190Â°C) without significant degradation or volatility at proper extrusion temperature. Does not discolor during light or heat aging. Excellent compatibility with polymers and is odorless. Does not impart smell to the polymer. Typical Properties: Free flowing pale yellowish powder Solubility (g/100g @ 25Â°C): Acetone 3, Benzene 7, Ethyl Acetate 3, Chloroform 13, Toluene 6 Max, nm: 344

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_M-Chemical-GUARD-DOG-UVP-Benzotriazole-UV-Absorber.php](http://www.lookpolymers.com/polymer_M-Chemical-GUARD-DOG-UVP-Benzotriazole-UV-Absorber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc @Temperature 20.0 Â°C	1.38 g/cc @Temperature 68.0 Â°F	
Molecular Weight	225.25 g/mol	225.25 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	128 - 132 Â°C	262 - 270 Â°F	

Descriptive Properties	Value	Comments
CAS Number	2440-22-4	
Molecular Formula	C <sub>13</sub> H <sub>11</sub> N <sub>3</sub> O	
Name	2-(2'-Hydroxy--5'-methyl-phenyl) benzotriazole	

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