

Ultraviolet light stabilizer for coating, film, and tape.

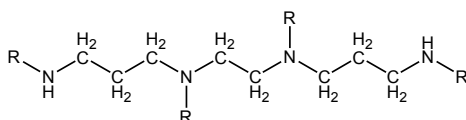
LIGHT STABILIZER

1. General

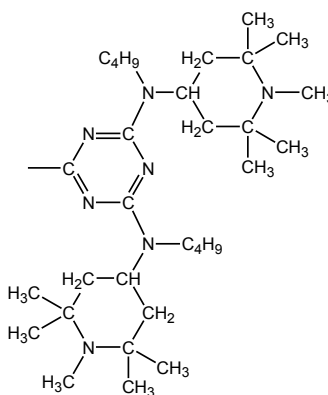
Chiguard® 228 belongs to the family of high formula weight sterically hindered amine light stabilizers with good migration resistance and low volatility. It is very effective as antioxidant and provides significant long-term heat stability of polyolefins and elastomers.

2. Properties

Structure :



Where R=



| | | |
|------------------|---|---|
| Chemical name | : | N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine |
| CAS No. | : | 106990-43-6 |
| Molecular weight | : | >2,200 |

3. Physical Data

| | | |
|------------------|---|-----------------------------------|
| Appearance | : | Light yellow crystalline powder |
| Odor | : | Faint |
| Melting range | : | 115 - 150 °C |
| Specific gravity | : | 1.03 @20 °C |
| Vapor pressure | : | 4.7 x 10 ⁻¹¹ Pa @20 °C |
| Bulk density | : | 0.55 g/cm ³ @20 °C |

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4. Solubility

(g in 100 ml solvent)

| | | |
|---------------|---|------|
| Acetone | : | 6 |
| Ethyl acetate | : | >20 |
| Hexane | : | >20 |
| Water | : | <0.1 |

5. Specification

| | | |
|------------------|---|---------------------------------|
| Appearance | : | Light yellow crystalline powder |
| Melting range | : | 115 –150 °C |
| UV Transmittance | : | 92% min. @450 nm. |
| Volatiles | : | 0.5% max. |
| Ash | : | 0.1% max. |

8. Packaging

20 kg/Carton box