



PA

Business Unit or
Division

Polymer Additives
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Document Type

Technical Information

Product Name

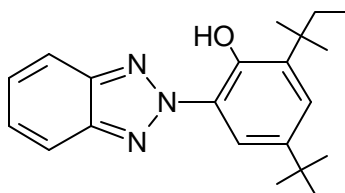
Lowilite 28

Ultraviolet Light Absorber

Lowilite 28 is an ultraviolet light absorber belonging to the benzotriazole class of UVAs.

2-(2'-Hydroxy-3',5'-di-*t*-amylphenyl)benzotriazole

CAS Reg. Number [25973-55-1]



Typical Properties

Appearance	Off-white powder
Molecular weight	351
Specific Gravity @ 25°C	1.17
Melting range, °C	80
Flash point, °C	230

Thermogravimetric Analysis (10 mg @ 10°C/minute under N₂)

Weight Loss, %	5	10	25
Temperature, °C	197	210	247

Solubility @ 22°C (g/100 ml solvent)

Xylene	44	Mineral Spirits	14
n-Butyl acetate	28	Methyl Ethyl Ketone	24
Water	0	Ethyl Acetate	20

Lowilite 28 is a strong ultraviolet light absorber in the 290-400nm region. It provides effective light stabilization and prevents the yellowing and degradation of polymers such as PVC, unsaturated polyester, acrylics, ABS, thermoplastic urethanes, moisture cured polyurethanes, two component epoxies and urethanes, oil alkyds and thermosetting acrylic enamels.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult the GLCC Material Safety Data Sheet.