



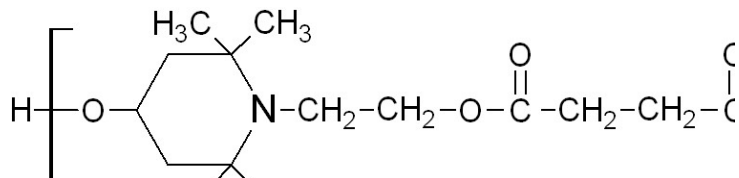
Tiangang™ BW-10LD (622)

Oligomeric Hindered Amine Light Stabilizer (HALS)

Chemical name Poly-(N-β-hydroxyethyl-2,2,6,6-tetramethyl-4-hydroxy-piperidyl-succinate)

CAS number 65447-77-0

Structure



Description

BW-10LD (622) is a highly effective radical scavenger belonging to the Hindered Amine Light Stabilizers (HALS) family of stabilizers. It is a polymeric HALS with low melting range, which is very suitable for use in polypropylene, polyethylene, polyurethane, meta formaldehyde, polyamine and polyester. BW-10LD typically demonstrates reduced interaction with co-additives such as pigments or other stabilizers and is an excellent stabilizer for systems containing high loadings of carbon black.

Typical properties

BW-10LD (622)	Appearance	Bulk density, kg/m ³	Molecular weight	Specific gravity, g/ml@ 35°C	Melting range, °C	Flash point, °C
	Off-white solid	570	>2500	1.22	55~70	>250

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

BW-10LD (622)	Temperature	250°C	300°C	325°C
	Weight loss	<1.0%	<3.1%	<8.4%

Solubility @ 20°C (g/100 ml solvent)

BW-10LD (622)	Water	Acetone	Methyl alcohol	Xylene	Ethyl acetate	Hexane	Toluene	Methylene chloride
	0.01	2	0.1	8	5	0.01	18	>67

Safety & handling

BW-10LD (622)	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.
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