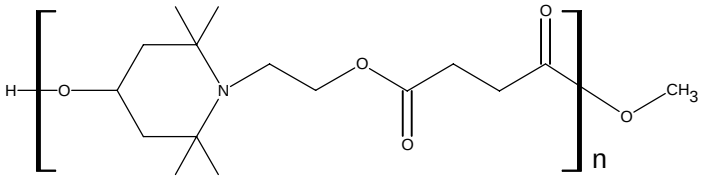
Hindered amine light stabilizer Palst-622

Chemical name: Poly (4-hydroxy-2, 2, 6, 6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)
Equivalent: Tinuvin 622 (Ciba SC)/ Lowilite 62 (Chemtura)/ Uvinul-5062H (BASF)
Molecular weight: 3100 ~ 4000
CAS No.: 65447-77-0
Structural formula:



PHYSICAL PROPERTIES

Appearance: White crystalline powders
Flash point: 428 °C
Melting range: 55 ~ 70 °C
Specific gravity (g/cm^3), @20 °C: 1.22
Solubility (g/100g solvent), @20 °C
Water: Insoluble
Methanol: Insoluble
Toluene: Soluble
Chloroform: Soluble

SPECIFICATIONS

Appearance: White crystalline powders
Clarity of solution: Clear
Ash: 0.10% max
Transmittance (425nm): 98.0% min
Volatile: 0.5% max
Transmittance (500nm): 99.0% min

APPLICATIONS

Palst-622 belongs to the new generation of polymeric hindered amine light stabilizer, which has excellent hot processing stability, nice compatibility in resin, satisfy extractability against water, and extreme low volatility and migratory. This product can be applied to PE.PP. PS, ABS, PU, polyamide, etc. Optimum effects are obtained when used together with antioxidants and UV absorbers. It is one of the light stabilizers that are sanctioned by FDA to be used in food packages. Reference dosage in PE agricultural film: 0.3-0.6%.

PACKING

25kg/bag