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Tinuvin® 494 AR

Synergistic mixture of high molecular weight hindered amine stabilizer and co-additives

Characterization

Tinuvin 494 AR is a proprietary mixture of a methylated high molecular weight hindered amine light stabilizer (HALS) and co-additives. It is an excellent UV stabilizer with outstanding pesticide/insecticide resistance. Tinuvin 494 AR is particularly well suited for agricultural film applications, whenever crop protection chemicals can be a threat for the film durability.

Chemical name

Methylated high molecular weight HALS 1,3,5-Triazine-2,4,6-triamine,N,N'''-[1,2-ethane-diyl-bis[[[4,6-bis-[butyl(1,2,2,6,6-pentamethyl-4-piperidinyl) amino]-1,3,5-triazine-2-yl]imino]-3,1-propanediyl]]bis[N',N''- dibutyl-N',N''-bis(1,2,2,6,6-pentamethyl-4-piperidinyl)-

CAS number

Preparation

Molecular weight

M_w = 2286

and a proprietary mixture of co-additives

Applications

Tinuvin 494 AR areas of application include polyolefins (PP, PE) as well as olefin copolymers such as EVA and EBA.

Features/benefits

Tinuvin 494 AR is designed to provide long-term stabilization to agricultural films, especially in countries with high solar irradiation, even in the presence of high concentrations of chemicals such as crop pesticides, insecticides or soil disinfection agents. It shows also outstanding performance as long-term thermal stabilizer; this behavior is especially useful where films are in contact with frames (wood, iron, aluminum).

Tinuvin 494 AR shows higher attrition resistance during transportation and handling than usual stabilizing systems.

Product forms

Code:	Tinuvin 494 AR
Appearance:	white to off-white granules

Guidelines for use

Films	UV stabilization of greenhouse films	1.0–2.5 %

Physical properties

Bulk density	500–650 g/l

Handling & Safety

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Prevent contamination of the environment. Avoid dust formation and ignition sources.

For more detailed information please refer to the material safety data sheet.

Note

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