

Technical Information

ACCUREL® 98 CM 496

ACCUREL® 98 CM 496 is an additive masterbatch of TAICROS® on LLDPE. The active ingredient TAICROS® is a trifunctional monomer which can polymerize in the presence of radicals formed by irradiation or peroxides.

Physical Properties

Melt temperature	> 100°C
Bulk density	200–300 kg/m ³
Colour	White
Delivery form	Pellets
Additive Content	50 (± 2) wt%

Application

ACCUREL® 98 CM 496 is used for the production of radiation crosslinkable or peroxide crosslinkable polyethylene, e.g. cables, tubes or pipes. It means it can be used for LLDPE, LDPE, HDPE and in general also for other polyolefines such as EVA and PP.

The active ingredient TAICROS® increases the crosslinking reactions over the degradation reactions during irradiation.

Benefits

- ACCUREL® 98 CM 496 enables an easy handling of TAICROS® in combination with high dosing accuracy.
- The TAICROS® in the masterbatch is not thermally prestressed, thus, the full crosslinking potential is available.
- The pre-dispersion of TAICROS® in the masterbatch minimises post-curing effects.

Handling and Dosage

ACCUREL® 98 CM 496 has a sufficient thermal stability for PE processing, however, at processing temperatures > 200°C it has a significant vapor pressure. Therefore, measures have to be taken to remove vapours at the extruder die and at the extruder dosing funnel if required.

The optimum dosage depends on factors like the desired results and irradiation intensity. Typically, concentrations between 2 % and 10 % are applied.

Registration Status

ACCUREL® 98 CM 496 complies with REACH Regulation (EC) No 1907/2006.

Its ingredients of ACCUREL® 98 CM 496 are listed / comply with the following chemical inventories:

EINECS, TSCA, DSL, AICS, ENCS, TCCL, PICCS, IECS, NZIOC, TCSI

Storage Stability

12 months stored under cool (<40°C) and dry conditions.

Packaging

15 kg net in a cardboard box with PE-inliner
360 kg net (24 x 15 kg)

Product Safety

For transport, handling and first aid instructions we refer to the material safety data sheet for ACCUREL® 98 CM 496.

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