CHEMEELECTRIC
ADDITIVE FOR PLASTIC

ELMOTEC

YOUR ADDITIVE SUPPLIER
Elmotec Ultralight Protection

UV STABILIZER FOR PACKAGING FILM

Elmotec UV 7015 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This Masterbatch is based on PE containing a balanced mixture of Polymeric HALS and UV absorber synergized by process anti-oxidants. It is particularly suitable for industrial packaging, shrink with thickness from 120 µy and over.

Elmotec UV 7016 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This Masterbatch contains a high concentration of secondary and synergized polymeric HALS with process anti-oxidant, supported on PE. It is particularly designed for the industrial packaging polyethylene film both shrink and stretch.

Elmotec UV 7017 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This Masterbatch contains a high concentration of tertiary polymer HALS, synergized with process anti-oxidant, supported on PE. This product is formulated for light stabilization of industrial packaging film shrink and stretch and it is suggested in presence of acid ambient or where the contact with chemical agents can provoke the anticipated break of the film (i.e. fire bricks and/or ceramics).

Elmotec UV 7018 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This Masterbatch is formulated with high concentration of UV Absorber supported on PE. Designed for protection of handmade sensitive to the ultraviolet radiations, like some foods, drinks and oils, printed paper, wood, etc and moreover it confers a light stabilizations to the same film.

VARIUS APPLICATION

Elmotec UV 7019 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This masterbatch contains a balanced mixture of monomeric and polymeric HALS synergized with anti-oxidants, supported on PE. The master is formulated for polypropylene handmade light stabilization's such as Raphia, mono-thread. The combination of the two HALS considerably reduces the problem of the "water carry over".

Elmotec UV 7020 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This masterbatch containing high concentration of a high molecular weight HALS supported on PE. This masterbatch is suggested for the stabilization of PE fibers and non woven application.
Elmotec Ultralight Protection

TRADITIONAL FORMULATION FOR AGRICULTURE FILM

Elmotec UV 7021 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This Masterbatch containing a balanced blend of benzophenone and polymer HALS, in synergy with thermal stabilizing, supported on PE. It is suggested in the agricultural field. It guarantees a discreet resistance to the pesticides commonly used.

Elmotec UV 7022 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This Masterbatch contains a balanced system of stabilization UV in a position to assure the handmade of polyethylene an elevated degree of resistance against the degradation provoked from the solar light and the atmospheric agents, supported on LDPE. This product is particularly indicated for the seasonal stabilization of the agricultural film. It is particularly indicated in the agricultural field, but it can be used also for industrial packaging at elevated thickness.

Elmotec UV 7023 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This product contains a balanced blend of Benzophenone and Quencher Nickels synergized from process anti-oxidant supported on PE. This formulation of stabilisation does not invalidate the transparency of the film, but particularly in coil evidences a coloration yellow-green. This product is particularly suggested in the agricultural field in expositive conditions of composed acids such as pesticides. For this reason, it can be used for grape nets and the side of two or three-year hothouses.

NEW GENERATION FORMULATION FOR AGRICULTURE FILM

Elmotec UV 7024 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This masterbatch contains an innovative formulation of HALS tertiary in combination with an UV Absorber of new generation supported on PE. It is particularly suggested in the agricultural field for long-life film (three or four year).

Elmotec UV 7025 CN
It is a UV stabilizer masterbatch design to improve the UV resistance of Polyfilms. This masterbatch contains a blend of polymeric secondary and tertiary HALS, Nickel Quencher and benzophenone, supported on PE. This product is formulated for the long-life film in the agricultural field. This particular additive renders the master mainly resistant to the pesticides regarding the traditional formulations.
ELMOTEC ANTIOXIDANT PROTECTION

MASTER ANTIOXIDANT

Elmotec AO 2001
This product contains an high concentration of a blend of phenolic anti-oxidants and phosphite at elevated effectiveness and it is employed in order to increase the thermal stability of LDPE, LLDPE, HDPE and PP. It is formulated for the protection of the polymers worked to high temperatures and in particular it is suggested in the cases in which the same polymer it is worked again suffering more thermal shock that modifies the mechanical characteristics.

Elmotec AO 2002
The product is suggested in the thermal stabilization of polyolefin (HDPE, LLDPE, PP). Moreover, it can be used before the shut-down of processing equipment concurring therefore to restart the system without finding problems of impurities due to the oxidation of the polymer.

Elmotec AO 2003
Special formulation of heat stabilizers supported on LDPE. This product is particularly suggested in the production of wire and cable of PE-X.

Elmotec AO 2004
Master at high concentration of phosphonite antioxidant supported on LDPE.
Elmotec Special Additive

Elmotec APP 6020 (5039 ADD)
This additive contains a blend compound of fluoride on polyolefin. It is particularly indicated as processing aid for LLDPE, PEHD and LDPE. This product acts during the extrusion process thanks to the fluoroelastomer that covers the hardware.
The main advantages in the use of this master are:
• reduction of the "die build-up"
• reduction of the necessary time to the change colour
• reduction of ices and defects opticians
• elimination of the "melt fracture"
It is advised in various applications:
film, tubes, cables, textiles, stamping and extrusion.

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Elmotec CLE 3001
This product contains a balanced, very effective additive formulation on all the materials belonging to the family of polyolefin.
Such formulation is advised for the cleaning of the productive systems stopped for a long time, for the reduction of the times during colour changing, limiting the production of scraps.
The presence of anti-oxidant in the product renders it reusable many times.
It is advised in all production processes for the polyolefin's working.
Elmotec Special Additive

**Elmotec AS 6069**
Masterbatch on base LDPE containing an antistatic agent at slow migration, of elevated intrinsic thermal stability and very good compatible with polyolefin (LDPE, LLDPE, HDPE and PP). This product is characterised as highly antistatic, durable with an auto-regenerating effect during the time. It is suggested for film, raphia, articles printed at injection and blown.

**Elmotec AS 6070**
Combibatch formulation with amine ethoxylate and natural silica, supported on LDPE. This product is suggested to be used in polyolefin's film when Antiblocking effect and long term antistatic effect are required.

**Elmotec AS 6071**
Combibatch formulation with GMS and natural silica supported on LDPE. This product is suggested to be used in polyolefin's film when antiblocking effect and immediate antistatic effect are required.

**DESICANT DS 6072**
Compound containing a high concentration of calcium oxide of extreme purity, fine dispersed in polyethylene. Commonly used in the working of recycled resins.

Elmotec Antiblocking Agent

**Elmotec AB 4030**
Antiblocking additive with a high level of natural silica selected for the micronization. The elevated purity of the additive confers to the finished product an exceptional transparency. It is suggested in the extrusion of LDPE, PP, HDPE, LLDPE for agricultural film and industrial packaging.

**Elmotec AB 4031**
Antiblocking additive with a high level of highly dispersed synthetic silica for incorporation in LDPE or PP films. The product is without impurities. Thanks to its very thin granulometry, it obtains a greater antiblocking effect regarding to the natural silica. It is suggested in the extrusion of LDPE, PP, HDPE, LLDPE for industrial packaging.

**Elmotec AB 4032**
Additive with a balanced blend of antiblocking and slip agents, for the extrusion of polyolefin films. The high thermal stability slip agents acts like auxiliary of process, reducing a division between polymer and extrusion; successively it migrates on the surface of the film giving sliping and antiblocking properties. The antiblocking presents in the film, is of a selected type and it does not influence the optical characteristics and brilliance of the film. This formulation confers advantages during the production process and on the finished product. It is suggested in the extrusion of LDPE, PP, HDPE and LLDPE for agricultural film and industrial packaging.
Elmotec Antislip Agent

SLIP SL 1001
Additive containing a balanced formulation of slip agents and synthetic silica, supported on a blend of EVAPE that makes easier the EVA film extrusion, also for agricultural use. The high concentration make the product very effective in the problem resolution of sticking and blocking both in the production process and on the finished product, without altering the optical properties of the film. It is suggested in the industrial packaging and agricultural film extrusion.

SLIP SL 1002
Additive slip made up of erucamide, supported on LDPE. This product acts both like process lubricating and on the finished product. Adding quality of elevated slipperiness to the film, only influencing in negligible measure the transparency of the finished product, not containing antiblocking agents. It is suggested in the extrusion of polyolefins film for industrial packaging.

SLIP - ANTIBLOCKING BL 1003
Additive formulated on a special combination of Erucamide and Natural Silica supported on LDPE. This product is suggested specially for polyolefin's film where a immediate antiblocking effect and a long term slipping effect is necessary.

SLIP SL 1004
Additive containing oleic amide dispersed on LDPE. This product is particularly suggested to be used in polyolefin film where immediate slip effect is required.

SLIP – ANTIBLOCKING BL 1005
Additive containing a balanced combination of Oleic amide and Natural Silica supported on LDPE. This product is suggested specially for polyolefin's film where an immediate antiblocking and slipping effect is necessary.
Elmotec Special Additive

NUCLEANTING NC 9001
Additive containing an organic nucleating agent.
The use of this product involves the following benefits:
• greater transparency and surface brightness of the finished product.
• lower operating temperature
• better mechanical properties of the product
• less tendency of the moulded pieces to shrink or undulate
• shorter cooling time of the mould
It is suggested for PP, PA6, PA, moulding and extrusion.

IR ADDITIVE 9002
Additive with a high concentration of mineral charges, supported on PE.
This product confers a thermal property to the agricultural film, rendering the temperature inside of the greenhouse constant.
It is suggested for PE/EVA for agricultural film production.

IR - ANTIBLOCKING ADDITIVE 9003
Additive containing a high concentration of mineral charges, supported on PE.
The additive confers a thermal property to the agricultural film, rendering the temperature inside of the greenhouse constant.
Compared to traditional IR Additive, this formulation does not alter the optical characteristic of the film.
It is suggested in the EVA agricultural film production.

ANTIDROP ADDITIVE 9004
New generation formulation with high concentration of Antidrop agents supported on a blend of EVA and LDPE.
It is suggested in both PE and EVA agriculture film.

ANTIDROP ADDITIVE 9005
Additive with an high concentration of Antidrop agent supported on a blend of EVA and LDPE.
It is especially developed for EVA agriculture film.
Elmotec UV 7026
It is a UV stabilizer masterbatch design to improve the UV resistance of injection molding parts. This masterbatch containing high concentration of a high molecular weight HALS supported on PP or PE. This masterbatch is also suggested for the stabilization of PE fibers and non woven application.

Elmotec UV 7027
It is a UV stabilizer masterbatch design to improve the UV resistance of injection molding parts. This masterbatch contains an innovative formulation of HALS polymer in combination with an UV Absorber of new generation supported on PP or PE.
It is particularly suggested for injection molding and non woven application.

Elmotec AO 2005
This product is suggested in the thermal stabilization of polyolefin (PP, ABS, PA, HDPE). It contains an high concentration of a blend of phenolic anti-oxidants and phosphite at elevated effectiveness and it is employed in order to increase the thermal stability.
It is formulated for the protection of the polymers worked to high temperatures and in particular it is suggested in the cases in which the same polymer it is worked again suffering more thermal shock that modifies the mechanical characteristics.
It is particularly suggested for injection molding and non woven application.

Elmotec AB 4033
Antiblocking additive with a high level of natural silica selected for the micronization.
It is suggested for injection molding parts of PP, PA, ABS and TPU.