

Technical Information

ACCUREL® AF 701

ACCUREL® AF 701 is a mixture of a vegetable based partially esterified amine and glycerol monostearate on polypropylene (PP) homopolymer.

Physical Properties

| | |
|------------------|---------------------------|
| Melt temperature | > 120°C |
| Bulk density | 450–600 kg/m ³ |
| Colour | Off-white |
| Delivery form | Pellets |
| Additive content | 75 (± 2) wt% |

Application

ACCUREL® AF 701 is a cold and hot antifog agent.

ACCUREL® AF 701 is applied for CPP/BOPP films with excellent long-term antistatic properties and antiblock performance.

The high thermal stability of ACCUREL® AF 701 causes only little smoke generation at the die and during further processing.

ACCUREL® AF 701 does not affect the wetting tension after corona treatment.

Dosage

ACCUREL® AF 701 can be incorporated by using gravimetric dosing equipment or by adding it to a dry blend with virgin polymer.

The recommended level of addition of ACCUREL® AF 701 depends on the specific application and is normally between 0.8 % and 2.0 %.

Food Contact Status

EU: EC 10/2011

Based on a dossier submitted to EFSA for inclusion into Reg. EC 10/2011, the antistatic/antifog agent used in ACCUREL® AF 701 is evaluated as safe in all polymers intended to contact with dry foods up to a level of 2.0 % (resp. 3.3 % ACCUREL® AF 701). The final listing in Annex I is expected until October 2020 with the new Amendment to Reg. 10/2011. The other components of ACCUREL® AF 701 are already listed in EU regulation 10/2011.

USA: FDA 21 CFR

ACCUREL® AF 701 can be used as an additive in polyolefins in contact with food according to 21 CFR (FDA) Sec. 177.1520 (olefin polymers) under conditions of use B through H (except for food containing more than 8 percent alcohol). The film thickness in microns times the weight percent additive must not exceed the value 26.6. For instance, the maximum level of ACCUREL® AF 701 allowed in a 15 µm film is 1.7 %.

China: GB 9685–2016

ACCUREL® AF 701 is listed with respect to its active standard composition in GB 9685–2016 for use in Plastic (PP) with food contact. The materials or products produced must not be used to contact foods with an alcohol content higher than 8 %. The usage temperature of the material or article produced is less than 100°C. The maximum use level of allowed depends on the film thickness. Please contact us.

Registration Status

ACCUREL® AF 701 complies with REACH Regulation (EC) No 1907/2006.

The active ingredients of ACCUREL® AF 701 are listed in / comply with the following chemical inventories:

EINECS, TCCL, PICCS, IECSC, TCSI

Storage Stability

Minimum 12 months after date of production under normal good storing conditions in closed boxes.

Packaging

30 kg net in a cardboard box with PE-inliner
720 kg net (24 x 30 kg)

Product Safety

For transport, handling and first aid instructions we refer to the material safety data sheet for ACCUREL® AF 701.

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