



CABOT

creating what matters

PROCESS AID MASTERBATCH

PLASADD® LL8964



PLASADD® LL8964 process aid masterbatch is specially designed to improve the processability of LLDPE rich materials, MDPE & HDPE. It works by coating the internal surface of the extrusion line and die and thereby reduces the friction between the polymer and the metal.

This leads to the following benefits:

- reduced or eliminated melt fracture;
- improved surface quality, clarity and gloss;
- reduced extruder head pressure which often allows higher output rates and/or reduces power consumption.

It can also be used to reduce die build up by preventing the adhesion of oxidized material, waxes, etc. to the metal surface. Typical applications are film, sheet and pipe extrusion as well as blow moulding.

PLASADD® LL8964 is suitable for use in a wide range of plastics that come into contact with food. For more details regarding the food contact compliance in various European countries, please refer to the relevant Food Contact Statement that you can obtain through your usual Cabot representative.

METHOD OF ADDITION

PLASADD® LL8964 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

ADDITION RATE / USAGE

RECOMMENDATIONS

For maximum efficiency, it is advisable to pre-condition the processing equipment by using a high initial dosing level of up to 25% which should be continued for 10 to 30 minutes until stable extrusion is established or melt fracture is eliminated. Following this the continuous addition level can then be 1-2%, depending on the desired output, cost and machine pressure constraints.

The effectiveness of PLASADD® LL8964 can be reduced by some polymer additives including certain types of antiblock agents and pigments. If present, a continuous addition level higher than the normal 1-2% may be required. However if PLASADD® LL8964 is used to reduce die build up, significant results can be achieved with 0.5-1% masterbatch.



Cabot Corporation

www.cabot-corp.com/plastics

PHYSICAL PROPERTIES

| PROPERTY | VALUE | TEST METHOD (*) |
|--------------------|--|---------------------|
| Carrier | LLDPE | |
| Additives | 2% process aid | |
| Colour | pellets have a slight whitish appearance | |
| Compatibility | LDPE, LLDPE, HDPE, HMW-HDPE, PP, ethylene copolymers | |
| Density @ 23°C | 925kg/m3 | CTM E023 |
| MFI 2.16 kg/190 °C | 3 g/10 min | CTM E005 (ISO 1133) |

(*) Tests are performed according to Cabot Test Methods (CTM) based on international Standards

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only.

PACKAGING

PLASADD® LL8964 is supplied in regular pellet form packed in 25 kg bags. It should be stored in a cool, dry place.

Recommended storage life: up to 6 months provided it is stored as directed.

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