



creating what matters

DESICCANT MASTERBATCH

PLASADD® PE8999

PLASADD® PE8999 is a highly concentrated desiccant masterbatch designed for use with recycling materials as well as for applications sensitive to the effects of moisture.

APPLICATIONS AND USES OF DESICCANT
For economic & environmental reasons, the use of recycled material becomes common in the plastics industry. However, as the quality of the material cannot always be guaranteed, particularly with regard to storage and specification, damp material could be a problem. Moisture in raw materials can have undesirable effects leading to increased scrap levels and loss of production. Common effects include porosity, surface imperfections in extruded & moulded articles and windowing/lacing in extruded film. Desiccants therefore become important for processors using recycled material to ensure that production efficiency & product quality are maintained. Using PLASADD® PE8999 is the simplest & most cost effective way to solve moisture related problems.

BENEFITS

- Reduction-elimination of moisture in recycled and reclaimed polymers
- Reduction-prevention of moisture related problems including:
 - Lacing in films
 - Porosity
 - Windows / lenses in films
 - Die build-up
 - Surface defects in moulding

ADDITION RATE

Films & mouldings: 1-3 %
Compounding: 2-5 %
PLASADD® PE8999 allows increased addition levels of recycled material. It absorbs up to 1500 ppm of moisture for every 1% addition of masterbatch. It contains additives which chemically bond the moisture, an irreversible process at all temperatures in plastics processing.

It is suitable for use in a wide range of plastics that come into contact with food. For more details on food contact compliance in various EU countries, please refer to the relevant Food Contact Statement you can obtain from your usual Cabot rep.

METHOD OF ADDITION

PLASADD® PE8999 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.



Cabot Corporation

www.cabot-corp.com/plastics

PLASADD® PE8999**DESICCANT MASTERBATCH****PHYSICAL PROPERTIES**

PROPERTY	VALUE	TEST METHOD (*)
Carrier	LDPE	
Additives	desiccant	
Colour	pellets have a slight white appearance	
Compatibility	LDPE, LLDPE, HDPE, PP, EVA and other ethylene copolymers	
Density @ 23°C	1290 kg/m ³	CTM E023
MFI 2.16kg/190°C	16 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® PE8999 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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