

Desiccant Masterbatch

Desiccant masterbatches can counter problems which develop during the processing of plastics due to the presence of moisture. Moisture can be present in raw materials such as hygroscopic polymers, fillers and pigments. Reclaim and recycled polymer can also have a high moisture content. When processing polymer with a high moisture content the polymer can become porous and show voids in moulded articles or extruded sheet. In film applications the high moisture content can lead to lensing and film bubble breakage.

DC 500 silica is used to absorb humidity present in plastic materials. Desiccant masterbatch chemically binds moisture during processing and allows higher levels of reclaim or recycled polymer to be used; addition of higher filler levels; and can reduce the need for pre-drying in many applications. Desiccant offers a simple and cost effective solution to solve moisture problems.

The characteristic of product and application condition

Desiccant masterbatch is produced by inorganic powder, resin and other auxiliary. It is an innovative drying agent, water absorber used in eliminating moisture in virgin and recycled LDPE, HDPE and PP etc. Mainly used in injection molding, film line, sheets etc. Desiccant Masterbatch is used to add and simply mix with materials before the plastic molding processing, which make us carry out molding processing without the drying process, so it is user-friendly, and can improve the production efficiency and reduce energy consumption.

Specifications

Item	Active content	Density (g/cm ³)	MFI (g/10mins)[2.16kg/190°C]
Additive D10-1081 DMB	70%	1.0-1.1	4-5

Key Characteristics

Improves product quality and yield;
Increases productivity and reduces energy consumption;
Minimizes down glossing and hazing under high humidity application conditions;
Reduction- Prevention of moisture related problem including lacing and porosity of the molded product.

Elimination of moisture related problems in recycled polymers.

Fish Eye Porosity;
Windows/lenses in films;
Die buildup/ Gassing;
Silver streak in molding.
Avoid Preheating
Adding more filler;
Improves surface GLOSS;
Increases STRENGTH;
Increases rate of production;
Homogenizes scraps of different rate flow.
Application
Reprocess Polyolefins & SI. Wet resin or embedded moisture



Disclaimer:

All information is given in good faith. Above all data obtained under standard conditions with our testing facilities, may vary under different conditions. It is recommended to test the above properties to finalize the use of the product for specific and particular applications.