

DESICCANT MB-80 STANDARD MASTERBATCH





DESICCANT MB-80

Desiccant MB-80 is used as a desiccant and acid scavenger in plastic, polymer, and nylon compounds, which can contain moisture either from organic fillers or recycled components incorporated in the formulation, by moisture absorption from high humidity environments, or in recycling processes.

Desiccant MB-80 combines with moisture to form calcium hydroxide. The reaction product, calcium hydroxide, is a powder that incorporates easily and invisibly into the compound, but will also perform as an acid scavenger.

Desiccant MB-80 is a functional masterbatch consisting of a fine particle size desiccant treated with a blend of polyolefins, suitable for plastic applications where moisture should be removed.

Desiccant MB-80 provides an easy and cost-effective solution to eliminate moisture in plastic and nylon manufacture, saving the energy required to heat and increasing production speed and capacity.



Desiccant MB-80 contains high-quality, ultra-fine desiccant powder that is extremely consistent in its performance. Desiccant MB-80 is a dust-free product that is easy to add to any type of mixer system.

Desiccant MB-80 masterbatches contain a maximum 80% desiccant powder, and the polyolefin blend carrier used helps to speed mixing and reduces the potential for the desiccant to react before it is mixed into the compound.

APPLICATIONS



USAGE

Dose will depend on the moisture levels within the compound. Addition point can be varied to combat the effects of moisture in fillers or atmospheric moisture in high humidity environments.

The chemical reaction between calcium oxide and moisture in plastics or nylon, shows that a theoretical balance of 3 kg of calcium oxide will remove 1 kg of water. In practice, typical dose rate for Desiccant MB-80 in a low-humidity environment would be 0.5-3%.

Addition rates will also be affected by mix temperature, venting of the process, and addition point. For low-humidity environments, desiccant MB-80 can be added at the start of the mixing process. For high humidity, moisture may often be absorbed if the compound is stored, so desiccant MB-80 can also be added near the final mix to overcome this.

PACKAGING

Desiccant MB-80 is available in 5-kg sachets packed in carton boxes. Other pack sizes and packaging types are available upon request.

Packed in 30 kg carton boxes loading on a pallet: 1200 kg

STORAGE

Desiccant MB-80 must be stored inside in clean, dry conditions in unopened packaging. If stored correctly, Desiccant MB-80 has a minimum shelf life of 12 months from the date of production.

