

AntiblockMasterbatch

Polyolefin and other plastic films have a tendency to adhere together, often making it difficult to separate layers. This adhesion between film layers, called blocking,

Antiblocking additives can be added to the plastic to minimise this adhesion and so lower the blocking force between layers. Once compounded into a plastic these additives create a micro rough surface which reduces the adhesion between film layers and lowers the blocking tendency

Two factors determine the antiblocking effect as number of particles of antiblock at the film surface. and size of the antiblock particles.

Synthetic silica is used in high quality films and RI close to that of PE and PP with high transparency and clarity

Limestone is a naturally occurring mineral calcium carbonate + Traces of magnesium carbonate & used in lower quality film applications.

Talc is a magnesium hydrosilicate. It has very low hardness & RI close to PP & PE

Organic Additives like hard waxes and fatty acid amides show antiblocking effects. Compared to inorganic additives they have low antiblocking efficiency but excellent slip effect.

Often slip and antiblock additives are used together to provide the optimum balance between slip and antiblock performance

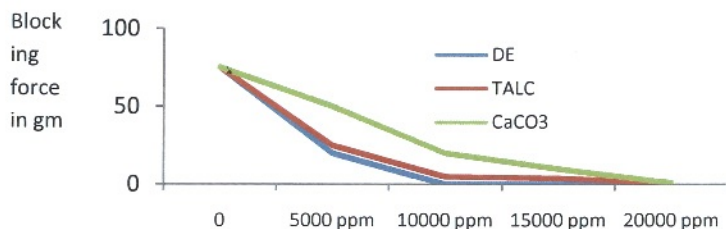
Diatomaceous Earth and Talc prove best efficient antiblock in current scenario. DE is most minimising Inorganic content also minimise -ve optical properties (HAZE)

Key Characteristics

- Eliminate Blockage in Film & Sheet
- Easy Roll unwinding and machinability
- No Effect on Product Color and Transparency

Product Code	Active Content	Base Polymer	Dosage
Additive D10-1064 Diatomaceous Earth+ Slip Combo	15 %	PE	2-3 % Depends up on requirement

Application – Sheet & Film



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.