

Anti-blocking Agent Masterbatch

Applications

Masterbatch imparting an anti-blocking effect on various films and sheets

Characteristics

- A microscopic rough surface of film/sheet created by adding our product exhibits an anti-blocking effect (See the electron micrographs below).
- An extensive product lineup applicable to various plastic films and sheets made of metallocene LLD-PE, PP, PET, etc.
- Capable of improving the versatility of an uncolored resin.

■ Electron micrographs (100x)



Representative Products

Product name	Applicable resin	Pure content of Anti-blocking Agent
S PE1200	Metallocene LLD-PE, Other PE	10%
G PT4001-3	PET	10%
D PT4003-3	PET	10%

Evaluation Results

■ Performance comparison : Evaluation example using metallocene LLD-PE film

Additive	Additive amount	Blocking force (N)	Haze value (%)
Metallocene LLD-PE (uncolored)	0%	1.57	3.2
Natural silica	0.3%	0.87	7.2
Acrylic beads	0.3%	1.15	5.2
Our S PE1200	3%	0.25	8.0

*Blocking force (our company standard); Force to pull two films apart. The smaller the number, the easier to come off.

*Haze value : JIS K 7136 The smaller the number, the more transparency. 50 μm×2 sheets

*The above data represents our internal experimental data and is not guaranteed.