

BOOSTER EPM

MICRO-GRANULAR

A COST-SAVING DISPERSION AID FOR MASTERBATCH PRODUCTION

Products to be blended :

- PC	- SBS	- SAN	- PE
- PS	- PBT	- POM	- PP
- ABS	- PET	- TPE	- PA
- PPO/PS	- rigid PVC		

With :

- Powderpigments
- UV Stabilizers
- Flame retardants

Functionality : What does it do ?

During the compounding/plasticizing process, the microgranular Booster EPM significantly improves the dispersion of the powder pigments into the masterbatch carrier materials. The plate-like shape of Booster EPM allows for very easy dry-blending with powder pigments and it prevents separation between carrier and pigment.

The addition of Booster EPM also lowers the typically higher melt flow index of the carrier material, resulting in a decreased risk for gelling. This also facilitates the processing at the end-user level.

Result: The same colour effect with (significantly) less pigment powder

Processing characteristics:

- An improved processability due to better pigment dispersion
- Higher pigment loading possible

Cost saving:

- Partial substitution of expensive powder pigments with lower cost Booster EPM

Specific properties

	Value	Units	
Physical			
Density	910	kg/m ³	ISO 1183
Melt flow index			
190°C, 10 kg	1,8	g/min	ISO 1133
Thermal			
Melting point	50-120	°C	
Crystallization temperature	110	°C	
Granular size			
Average granule diameter	3-4	mm	ASTM E11
Granules < 1mm	<1	%	ASTM E11
Granules > 5,6 mm	nil	%	ASTM E11
Average granule thickness	0,7-1,1	mm	
Storage			
<ul style="list-style-type: none"> • Dry place, away from direct sunlight, below 35°C 			
<p>Typical quantity needed 25-50 % of weight of carrier polymer</p>			