

# BOOSTER EPM

## MICRO-GRANULAR

### A COST-SAVING DISPERSION AID FOR MASTERBATCH PRODUCTION

**Products to be blended :**

- PS	- rigid PVC	- SAN	- PE
- PPO/PS		- TPE	- PP
		- PET	- PA
			- PC

**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

Examples of cost saving:

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

Specific properties

	Value	Units	
<b>Physical</b>			
Density	910	kg/m <sup>3</sup>	ISO 1183
<b>Melt flow index</b>			
190°C, 10 kg	1,8	g/min	ISO 1133
<b>Thermal</b>			
Melting point	50-120	°C	
Crystallization temperature	110	°C	
<b>Granular size</b>			
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	
<b>Storage</b>			
• Dry place, away from direct sunlight, below 35°C			
<b>Typical quantity needed</b> 2,5-5 % of weight of final mixture			



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