

# BOOSTER EPM

## GENERAL OPERATING INSTRUCTIONS

### FOR USE IN THE PRODUCTION OF MASTERBATCHES

**Typical quantity needed** : 25-50% (by weight) of carrier material of masterbatch

**Preparation:** dry-blend 25-50% (by weight) BOOSTER EPM into the carrier polymers to be blended. Next: mix in the pigments or other additives for the masterbatch. This dry-blend procedure can be done manually or in a mixer, after which the blend is fed into the hopper.

#### Operation:

1. Leave cylinder temperature unchanged, as long as the temperature in the first zone (directly behind the hopper) is 210°C.
2. Leave screw RPM unchanged. After approx. 5 minutes (depending on screw diameter and L/D ratio) the cylinder will be filled completely with the BOOSTER blend.

#### **Possible** changes in process/product:

- higher gloss/intensified colour
- reduced power consumption (amperage): 10-25%
- reduced pressure near the die

#### 3. Results:

##### 3.1 Cost reduction masterbatch

- If colour intensity rises significantly, adapt percentage colour (or other additive) masterbatch downwards, in order to realize the cost reductions desired.

##### 3.2 Yield/productivity improvement

- If the pressure at the die allows for it, increase screw RPM until the amperage is back at the original level, before BOOSTER was introduced into the system.

The logo for Engineering Chemicals, featuring the company name in a stylized, blue, italicized font with a white outline, set against a background of diagonal lines.

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