

# BOOSTER EP/PO

## GENERAL OPERATING INSTRUCTIONS

**Typical quantity needed** : 2-5% of weight of final mixture

**Preparation:** At the mix, dry-blend 4% (by weight) BOOSTER into the polymers to be blended. This dry-mix procedure can be done manually or in a mixer, after which the blend is fed into the hopper.

**Optional:** calibrated dosage-equipment can be used (note: density of Booster).

### 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. 15-30 minutes (depending on screw diameter and L/D ratio) the cylinder will be filled completely with the BOOSTER blend.

### Possible changes in process/product:

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

### 3. Possible adaptations:

#### 3.1 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

#### 3.2 Cost reduction masterbatch

- If color intensity rises significantly, adapt percentage color masterbatch downwards.

Note: All follow-on equipment behind the extruder (granulators, winding equipment etc.) should be adapted to the changed screw RPM.

The logo for Engineering Chemicals, featuring the words "Engineering Chemicals" in a blue, sans-serif font, slanted upwards to the right. The text is contained within a white, parallelogram-shaped area that is part of a larger blue graphic element.

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