

## CORAPLAST PROCESSING AID PPA 207 and PPA 507 HF

### Description:

- **CORAPLAST PPA 207 and PPA 507 HF** are two next generation processing aids that are used in a variety of extrusion processes and resins. They are particularly useful when fractional melt index resins of LLDPE, LDPE and HM-HDPE have to be processed.
- **CORAPLAST PPA 207 and PPA 507 HF** are also useful to eliminate die build-up in high temperature cast film production. They facilitate the processing of high viscosity, high molecular weight polyolefins which results in articles with superior gloss and better mechanical properties (less die-lines).

### How to use CORAPLAST PPA 207 AND PPA 507 HF:

- **CORAPLAST PPA 207** is the standard Polymer Processing Aid masterbatch to be used in order to eliminate MELT FRACTURE of LLDPE up to 240°C.
- **CORAPLAST PPA 507 HF** is an excellent solution for films that contain high loadings of calcium carbonate, titanium dioxide, antiblocking agent, or other pigment that will neutralise the effect of the PPA already present.
- Due to the **PPA 207 and/or PPA 507 HF** the processing temperature can be reduced which results in a better bubble stability, less degradation and because of a faster cooling, the output is increased.
- PPA coating procedure:
  - Step 1 : Preconditioning the extruder and the die with a mixture of 70 % LLDPE and 30 % **PPA 207 / PPA 507 HF** during 10 to 20 minutes depending of the die-gap in order to coat the extruder and the die with a lubricating layer.
  - Step 2 : after conditioning the machine, reduce the dosing of **PPA 207 or PPA 507 HF** to a maintenance concentration. The narrower the die-gap, the more has to be used.

- Dosing level according processes:

- Using PPA 207 :

- Elimination of melt fracture in blown film extrusion = 1,5 %
    - Avoiding die build-up in natural film = 1,0 %

- Using PPA 507 HF:

- No melt fracture in UHMW-HDPE blown film = 1,5 %
    - Smooth surface of naturel HDPE bottle blowing = 1,0 %
    - For highly filled or pigmented bottles = 1,5%

- Some physical properties :

- Carrier = PE
    - Moisture content = < 0,15 %
    - Bulk Density = 600 gr/l
    - Specific gravity = 0,925 for PPA 207  
= 0,930 for PPA 507 HF

- Detailed information on food approval is available upon request.

**PACKAGING AND STORAGE:**

**CORAPLAST PPA 207 AND PPA 507 HF** are packed in 25 kg woven bags with liner. They can be stored up to 12 months at 30 °C . Higher temperatures can reduce the storage time considerably

This information is correct to the best of our knowledge, but we would recommend that users make their own assesment to confirm that the material meets their requirment.