Processing Aid Master Batch is specially designed to improve the process ability of LLDPE rich material, MDPE & HDPE. It works by coating the internal surface of the extrusion line and die and thereby reduces the friction between the polymers and the metal. This leads to the following benefits.

- Reduced or eliminated melt fracture.
- Improved surface quality, clarity and gloss.
- Reduced extruder head pressure which often allows higher output rates and / or reduces power consumption.

It can also be used to reduce die build up by preventing the adhesion of oxidized material, waxes, etc. on the metal the surface. Typical applications are film, sheet and pipe extrusion as well as blow molding. It is suitable for use in wide range of plastics.

**Method of Addition:**
It is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

**Addition rate / usage recommendations:**
For maximum efficiency, it is advisable to pre-condition the processing equipment by using a high initial dosing level of up to 25% and should be continued for 10’ to 30’ until stable extrusion is established or melt fracture is eliminated. The Following continues addition level can then be 1% - 2%, depending on the desired output, cost and machine pressure constraints. The effectiveness of Master Batch can be reduced by some polymer additives including certain type of anti-block and pigments.

If present, a continuous addition level of higher then the normal 1% - 2% may be required. If it is used to reduce die build up, significant results can already be achieved at levels of 0.5% – 1% Master Batch.

**Physical Properties:**
- **Carrier Resin:** LLDPE
- **Additives:** Processing Aid
- **Color:** Pellets have slight whitish appearance
- **Compatibility:** LLDPE, LDPE, HDPE, HMW-HDPE, PP, ethylene co-polymers
- **Density @ 23’ C:** 925 Kg / m3
- **MFI 2.16 Kg. / 190’ C:** 3 g / 10 min.

Tests are performed according to test method based on international standards.

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only.