

Polymer Processing Aid Masterbatch (Metallic Salt)

Introduction

Polymer processing aid masterbatch containing metallic salt type of processing aid agent improves the processability of polyolefin and other polymers with its versatility, particularly reducing die buildup performance.

It can be used for a wide variety of applications such as films, fiber, injection molding, profile extrusion, pipe/tube and cable processes.

Product Benefits

- Reduce die buildup (reduce the decomposition of polymer and fillers)
- Eliminate melt fracture during processing
- Enhance polymer melt flow by lowering the viscosity
- Improve the lubricity and compatibility of additives during polymer melt process
- Effective dispersion of inorganic fillers and pigments

Polymer processing aid agent migrates to the extruder wall by forming a monolayer. It acts as a surfactant and should not have any negative impact on the mechanical properties of the final product.

Applications

- BOPP / CPP films
- Polyolefin Cast and Blown films
- Pipe/Tube extrusion
- Wire and Cable
- Compounding

Composition

- Content of Additive: 10 wt% of Processing Aid Agent
- Carrier Resins: Polypropylene / Polyethylene

Recommended Dosage Rates

- Up to 2 wt%

Because processability and quality of applications are depended on processing conditions (temperature, pressure, speed, etc.) and applied resins, the optimum dosage rate must be determined by pre-test.