



TECHNICAL DATA SHEET / SPECIFICATIONS
PPA (Polymer Processing Aid) MASTERBATCH PT-3001

INTRODUCTION

PPA Masterbatch is the new generation highly technical product based on Fluoroelastomers active content ranging from 2% to 5%. It is widely used in LLDPE film extrusion to improve the process ability of the polymers at higher shear rates. Addition of PPA Masterbatch reduces the melt fracture or shark skin effect during the process of LLDPE / LDPE / HM-HDPE by extrusion process.

MAIN FEATURES

- * Broadens extrusion processing capabilities of polyolefin resins.
- * Reduces or eliminates Die built up.
- * Lowers apparent Melt Viscosity.
- * Ideal for use in low MFI LLDPE, HDPE & high molecular weight HDPE resins.
- * For use at low levels.
- * Can offer performance & cost advantages.
- * Imparts a smooth, glossy and even surface to the extruded / film.
- * Allows the process film with narrow die gap which results in balance of bi-directional properties and hence, more uniformity in film thickness and coating gauge.
- * Reduces the wear and tear of the melt line, as a result increases the life of the processing equipment.
- * Reduces the chance of degradation of polymer and colours as it lowers the resistance time of melt through faster plastication.
- *Lowers the processing temperature, hence reduces electrical energy consumption by 5-15%.
- * Reduces the melt COF and hence there is an increase in output.

SPECIFICATIONS

<i>Appearance</i>	<i>Clear White Granuels</i>
<i>% PPA (active ingredient)</i>	<i>2 ~ 5 %</i>
<i>Loose Bulk Density</i>	<i>0.45 ~ 0.50 gms/cm³</i>
<i>Specific Gravity</i>	<i>0.910 ~ 0.920 gms/cm³</i>
<i>Carrier Resin</i>	<i>LLDPE – 92% ~ 96%</i>
<i>Inorganic Additives</i>	<i>3%</i>

USAGE

PPA Masterbatch is to be mixed with the polymer in the dosage of 0.5 to 2.0% for LLDPE & HDPE. Generally the 0.5% use of this Masterbatch gives a good result for processing Film.

PACKING & STORAGE

PPA is available in the packing of 25 kgs. laminated moisture proof woven sack bag.

Keep the product in cool & dry place with good ventilation. Away from the direct sunlight, high temperature, rain pour and not under heavy loads. Shelf life of PPA is about 15 months from the manufacturing date. Thereafter still it can be used, but with little higher dosage %ge than usual.

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