

Hydrocarbon Resin Masterbatch for BOPP film

Introduction

Hydrocarbon resin masterbatch helps to provide an outstanding combination of BOPP film properties such as better barrier performance, improved stiffness or shrinkage and easier processing.

Product Benefits

- Improve BOPP film performance
 - Barrier performance (moisture and oxygen barrier improvements)
 - Mechanical properties (stiffness and elongation)
 - Twist retention
 - Seal-ability at lower temperature
 - Smooth film surface
- Increase productivity (enhance melt flow, decrease processing temperature)
- Increase stretch ratio of BOPP film

Hydrocarbon resin masterbatch helps the orientation of the film resulting in easier processing:

- BOPP / OPP film can be stretched at lower temperature
- Reduced film breaks
- Better control of thickness profile

Applications

- Biaxially Oriented PP film
 - Twist film (excellent twist wrap retention)
 - Barrier film (food packaging, etc.)

Recommended Dosage Rate

- Improve the processability : Up to 10 wt%
- Increase the barrier property and stiffness : 10 ~ 15 wt%
- Twist film : Up to 40 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.