
TECHNICAL DATA SHEET / SPECIFICATIONS

CLING MASTERBATCH ZN-3

INTRODUCTION

ZN-3 is a concentrate of high molecular weight Polyisobutylene (PIB) tackifier in Linear Low Density. It is used as a cling agent to make stretch-wrap films from LLDPE or LDPE.

FEATURES

<i>Appearance</i>	<i>Off-white dry pellets</i>
<i>% of PIB content</i>	<i>41-44%</i>
<i>Density</i>	<i>0.90-0.91 g/cm³ (25 °C)</i>
<i>Moisture</i>	<i><0.5%</i>

USAGE

ZN-3 is designed to produce stretch-wrap films from LLDPE, LDPE or for the applications of pallet-wrap and silage-wrap. It can be used on either blown film or cast film process. Polymers used with ZN-3 masterbatch must **not** contain any Anti-blocking additive, slip agent as this will prevent the migration of cling additive. Migration time for good cling properties is usually 24 to 72 hours.

Note: During production, the speedier the film gets cool means stronger adhesion the film surface is; and the more ZN-3 added in, the stronger adhesion get. Production thereafter, should keep the film in a high temperature to enhance the adhesion as the storage time goes.

RECOMMENDED ADDITION

On monolayer blown film lines, 10% to 13% ZN-3 by weight should be added to resin mix.

On monolayer cast lines, 1% to 2%.

On multi-layer film lines, ZN-3 is usually added 3%-5% only for the cling layer. Addition level depends on which layer is used and the thickness of layer. (e.g. if cling layer is 20% among multi-layer, then ZN-3 only 0.6%-1% for total layers)

PACKAGING & STORAGE

Packaging: 25kg/bag.

Storage: Keep the place dry with good ventilation. Avoid direct sunlight exposure, high temperature, rain pour and heavy loading.

Validity: 1year.