

POLYPET® PT DN 105

Product Description

Films made from Copolyesters have an extremely glossy surface. When they are transformed into blisters and stacked, they will become highly sensitive to blocking.

POLYPET® DN 105 & POLYPET® DN 106 will facilitate easy denesting of the formed blisters when they are later used for packaging.

General

Material Status	• Commercial: Active
Availability	• Europe
Uses	• Masterbatch
Appearance	• Translucent • White
Processing Method	• Sheet Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)
Specific Gravity	1.30	1.30 g/cm ³
Bulk Density	49.9 lb/ft ³	800 kg/m ³
Moisture Content	< 500 ppm	< 500 ppm

Usage

Depending on the side-wall taper and the thickness, different dosing levels are recommended. POLYPET® DN 105 dosing must be higher when tight tapers are used as compared to generous tapers.
In general, simple blisters with a generous taper require only 2 % POLYPET® DN 105. Complex blisters with little or no side-wall taper may require as high as 4 % POLYPET® DN 105 addition.

POLYPET® DN 106 should be selected when the standard antiblocking masterbatch based on synthetic silica cause objectionable optical defects. Same dosing level as POLYPET® DN 105 .

PROCESSING

- POLYPET® DN 105 & POLYPET® DN 106 can be tumble blended with the copolyester base resin and than this mixture is dried for 3 hours at 77°C.
- POLYPET® DN 105 & POLYPET® DN 106 can also be metered with a proper dosing equipment after it has been dried for 3 hours at 77°C.
- Addition of POLYPET® DN 105 & POLYPET® DN 106 doesn't modify the extrusion conditions of the copolyester base resin.

Regulatory

POLYPET® DN 105 & POLYPET® DN 106 are approved for food packaging according FDA and all European countries up to 10 % addition. Detailed information is available upon request.

Packaging & Storage

POLYPET® DN 105 & POLYPET® DN 106 masterbatches are very hygroscopic and therefore packed in 20 or 25 kg moisture proof bags, on stretch wrapped 1,000 or 1250 kg pallets.
Open bags must be used immediately. Predrying is recommended.

This Masterbatch contains additives that migrate. POLYPET® DN 105 & POLYPET® DN 106 can be stored up to maximum 6 months at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.