POLYBATCH® SPER 6

POLYBATCH® SPER 6 is a slip masterbatch for CPP/BOPP films, based on a film grade homopolymer PP and which contains high purity erucamide.

PHYSICAL PROPERTIES

Base resin	PP Homo
Melt Index (230/2,16; g/10 min)	11
Specific Gravity (g/cm³)	0,91
Bulk Density (g/l)	600
Moisture Content (ppm)	< 1000
Additive Content (%)	6

These are typical properties only, and are not be regarded as sales specifications.

USAGE

The coefficient of friction of PLAIN and HEAT SEALABLE film is reduced by the addition of amides of fatty acids, when added in the core and the skin of the film. The amides form a mono molecular layer on the surface of the film that will act as a lubricant. The slip additives must be added in core and skin because they migrate freely through the total thickness of the film, so that the skin would be quickly depleted from its additives if they were added there only. The slip properties are enhanced by Corona treatment (but an overtreatment generates blocking behavior).

Recommended addition rates:

In most cases 600 to 1200 ppm amide should be added **in the core** and possibly in the **homopolymer skin layer**), which means 1 to 2 % of ***SPER 6***.
In case of heat sealable coextruded films, because ***POLYBATCH® SPER 6*** **cannot be used in a copolymer skin layer,** we advise to use our POLYBATCH® ABER 11 SC, which contains a slip (erucamide) and an antiblock (silica) based on copolymer.

FOOD APPROVAL

POLYBATCH® SPER 6 can be used for food-packaging according to:

FDA	no limitation
EEC (90/128)	no limitation

Detailed information available upon request.

PACKAGING AND STORAGE

POLYBATCH® SPER 6 are packed in moisture proof 20 or 25 kg bags on stretch-wrapped pallets. The storage time should not exceed 6 months for optimum performance.

Users should undertake sufficient verification and testing to determine the suitability for their own purpose of any information or products referred to herein.

Reported values pertain only to natural resins : pigmenting may vary properties.