

MAKROPLUS[®]

RA

Characteristics

Masterbatches **MAKROPLUS RA** represent a family of additives designed for modification of injection moulded plastic articles. They reduce material internal friction and thus prevent its overheating. They also reduce polymer adhesion to metal surfaces and consequently ease demoulding step. Their presence increase polymers melt flow, which manifests itself in an increased productivity. They improve article surface gloss; increase tinting strength of self-coloured plastics. Finally, they reduce water-carry over problem of water-cooled film technologies.

Application

MAKROPLUS RA 25/PP - masterbatch is designed for additivation of PP or its copolymers. Their use for other types of plastics is possible, but their application should be previously consulted with our specialists.
MAKROPLUS RA 25/ABS - masterbatch is designed for additivation of ABS, polystyrene and high impact polystyrene.

Their influence on subsequent operations (e.g. printing, metallisation, heat sealing, etc.) should be tested prior to their application of the masterbatch.

Handling

There are no specific limitations when handling these products; it is only necessary to observe generally accepted rules for handling chemical products of this sort.

Storage

Masterbatches should be stored on a dry, cool and sheltered place. Storage temperature should not exceed 40°C. Storage period, when observed previous recommendations, is at least 2 year.

Health Safety

MAKROPLUS RA masterbatches are made of the raw materials which comply with the Direction of Ministry of Health of the Czech Republic No. 38/2001 Sb.(hygienic requirements for articles which may come into contact with foodstuffs).

Recommendations

- recommended let- down ratio is 0,5 - 2% wt.
- masterbatches should be mixed with basic polymer and the mixture dosed into the injection moulding machine
- to attain good homogenization the screw revolution should be adjusted to at least 100 rev./min