

NEFA® MB A

Additives for Optimising the Processing and Surface Properties of Thermoplastic Polymers

Product Description:

NEFA® MB A are polydimethylsiloxane-based additives for the surface modification of thermoplastic polymer materials with simultaneous optimisation of the processing properties. Depending on the concentration of NEFA® MB A used, the following effects can be obtained with these additives:

- Improving the abrasion behavior of soft thermoplastic elastomers
- Improving the mould-filling behavior and removal from mould
- Better melt flow
- Reducing melt fracture
- Reducing the processing temperature and processing torque
- Reducing the coefficient of friction of the moulded parts produced

Material Base:

thermoplastic polydimethylsiloxane-polyurea block copolymer with high molecular weight approx. 20 (160°C, 2.16 kg)

Melt Flow Index (MFI):

Uses:

Can be used in the entire spectrum of TPU, TPO, TPS, TPV, TPC, TPA ; polyolefins, styrenic polymers and polyesters.

Properties:

pourable, cylindrical granulate

Application:

operational temperature range 160 - 280°C in an injection moulding machine or extruder

Recommended Dosage:

0.2 – 5%, depending on the base polymer material and desired property optimisation

Residual Moisture:

< 0.5%

Storage:

in undamaged, closed, original containers in a cool place

Packaging Unit:

25 kg bags, BigBag

Hazard Information and Safety Advise

Commercial / industrial user will find related information in the Material Safety Data Sheet

Technical Service and Production Location:

Caparol Industrial Solutions GmbH, Neichener Strasse 38, 04668 Grimma
Telephone +49 (0) 34382 704-0

Version: August 2024

This technical information has been compiled based on the state of the art and our experience. In view of the large number of possible requirements and conditions it is however still your responsibility as purchaser/user to check that our product/products are actually suitable for the planned application. If you still have queries about our product (e.g. about uses which are not listed in this technical information or about applications), please contact us, we would be pleased to respond. This Technical Information is only valid in its most recent version. If necessary, please make sure this version is valid with an appropriate enquiry to us..