

NEFA® MB A

Additives for optimising the processing and surface properties of thermoplastic polymers

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| Product description: | <p>NEFA® MB A are polydimethylsiloxane-based additives for the surface modification of thermoplastic polymer materials with simultaneous optimisation of the processing properties.</p> <p>Depending on the concentration of NEFA® MB A used, the following effects can be obtained with these additives:</p> <ul style="list-style-type: none">• Improving the abrasion behaviour of soft thermoplastic elastomers• Improving the mould-filling behaviour and removal from mould• Better melt flow• Reducing melt separation• Reducing the processing temperature and any processing torque arising• Reducing the coefficient of friction of the moulded parts produced |
| Material base: | Highly molecular, thermoplastic polydimethylsiloxane-polyurea block copolymer |
| MeltFlow Index (MFI): | approx. 20 (160°C, 2.16kg) |
| Uses: | <p>Can be used in the entire spectrum of TPO, TPS, TPV, TPC, TPA ; polyolefins, styrenic polymers and polyesters</p> <p>Any application recommendations must always be verified for the specific intended purposes; such verification is essential for quality assurance reasons.</p> |
| Properties: | pourable, cylindrical granulate |
| Application: | Operational temperature range 160° - 280°C in an injection moulding machine or extruder. The masterbatch carrier is a high-molecular, thermoplastic elastomer and should preferably be processed above 160°C. |
| 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, frost-free place. |
| Packaging unit: | 25kg bags, BigBag |
| Hazard information and safety advice: | Commercial / industrial application workers will find the information they need from the Safety Data Sheet |
| Technical Service and production location: | Caparol Industrial Solutions GmbH, Neichener Strasse 38, 04668 Grimma Telephone +49 (0) 34382 704-0, fax: +49 (0) 34382 704-16 |

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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.