

## NEFA® MB EL

### Highly filled carbon black masterbatches on a TPE basis

<b>Product description:</b>	<p>Products in the group NEFA® MB EL are TPE-based carbon black concentrates and compounds. NEFA® MB EL masterbatches are suitable for almost all TPE materials plus polyolefins and styrenic polymers. Despite very high carbon loading of up to 35% by weight in the area of conductive carbon blacks with very high surface areas and up to 65% by weight in the area of high-quality colouring and strengthening carbon blacks, NEFA® MB EL concentrates can be manufactured in a hardness range from Shore A 60 to Shore D 80.</p> <p>Depending on the material system, antistatic properties can be reached in the compound even from a dosage of 20%. Because of the special carrier systems, NEFA® MB EL masterbatches will not cause your material system to become brittle or stiff.</p> <p>Our NEFA® MB EL concentrates and compounds are characterised by the following properties:</p> <ul style="list-style-type: none"><li>• Elongation at break in the range of 50 - 600%</li><li>• Hardness in the range Shore A 60 to Shore D 80</li><li>• Surface resistances in the range of 1 – 10 Ohm</li><li>• Thermoplastic application</li></ul>
<b>Material base:</b>	Thermoplastic elastomers
<b>Uses:</b>	<p>Can be used in the entire spectrum of TPO, TPS, TPV, TPC, TPA ; polyolefins, styrenic polymers and polyesters</p> <p>Any application recommendation must always be verified for the specifically intended purpose; such verification is essential for quality assurance reasons.</p>
<b>Colours:</b>	Black
<b>Properties:</b>	Pourable, black, cylindrical granulate
<b>Application:</b>	Working temperature range 190°C - 280°C in injection moulding machines or extruders. The masterbatch carrier is a high-molecular, thermoplastic elastomer and should preferably be processed above 220°C.
<b>Recommended dosage:</b>	20 - 60%, depending on the base polymer and desired resistance range
<b>Residual moisture:</b>	< 0.5%
<b>Storage:</b>	In undamaged, closed, original containers in a cool, frost-free place.
<b>Packaging unit:</b>	25kg bags or BigBags
<b>Hazard information and safety advice:</b>	Commercial/industrial users will find the needed information in the respective Material Safety Data Sheet
<b>Technical Service and production location:</b>	Caparol Industrial Solutions GmbH, Neichener Strasse 38, 04668 Grimma Telephone +49 (0) 34382 704-0, fax: +49 (0) 34382 704-21

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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/applications which are not listed in this technical information), 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.