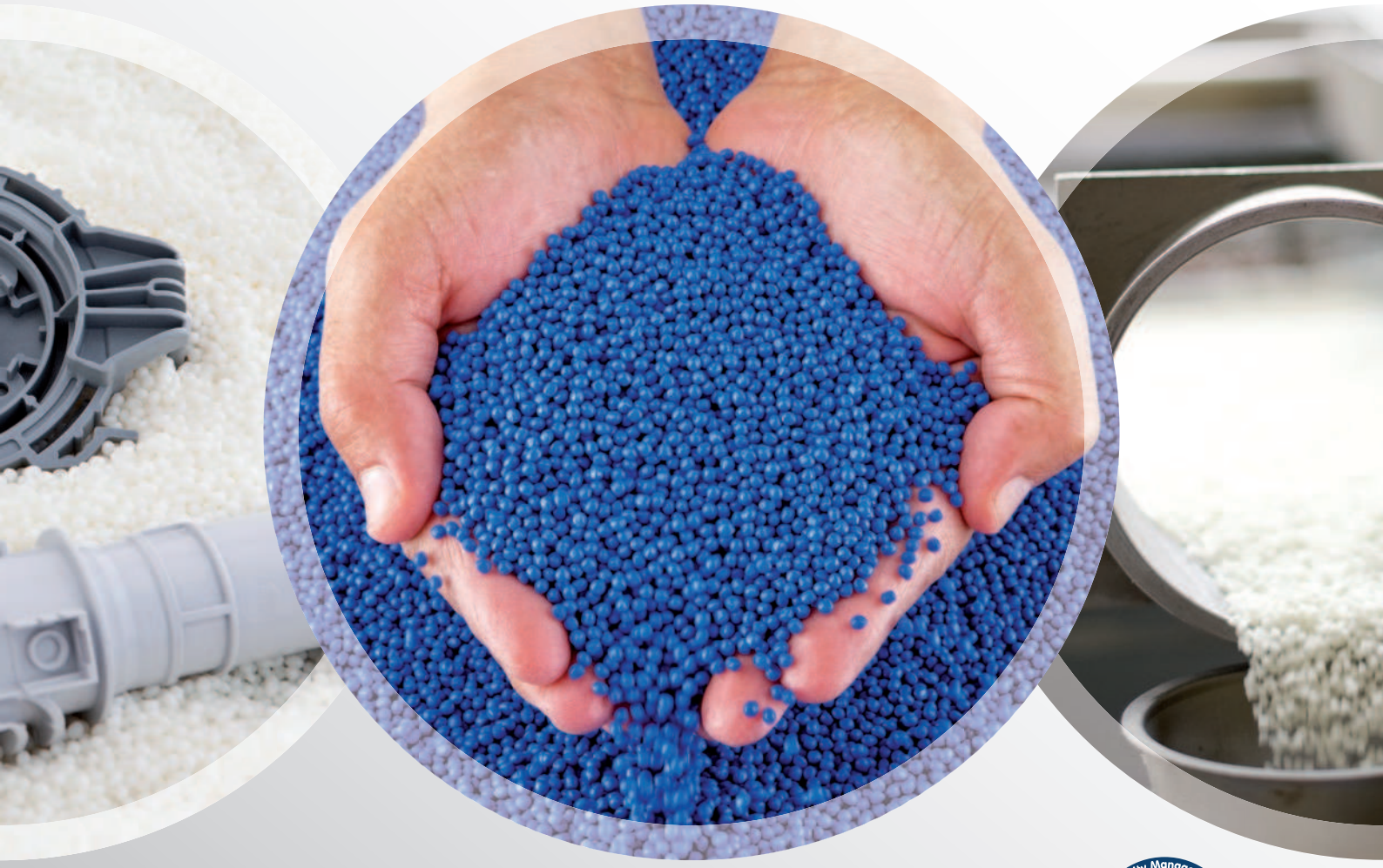


Plastics are our passion

ERG

EHL Rohstoff GmbH

Thermoplastische Kunststoffe

reduce emissions

reduce weight

innovative

efficient

indispensable

energy saving

substitute for metal

recyclable

variable

flexible

functional

sustainable

Quality Management
ISO 9001

EHLAMID-6T

EHLAMID®-6T – (semi-aromatic polyamide)
In order to meet the ever-increasing requirements for polyamide in terms of mechanical strength and temperature resistance, we have developed, in cooperation with our customer, a semi-aromatic polyamide – EHLAMID®-6T.

Your advantages
- higher mechanical strength / rigidity
- higher temperature resistance
- improved dimensional tolerance

EHLCOM-EL

EHLCOM-EL – We are able to offer electrically conductive compounds of our EHLcom-types based on different polymers such as PA, PP, PE, POM and much more.

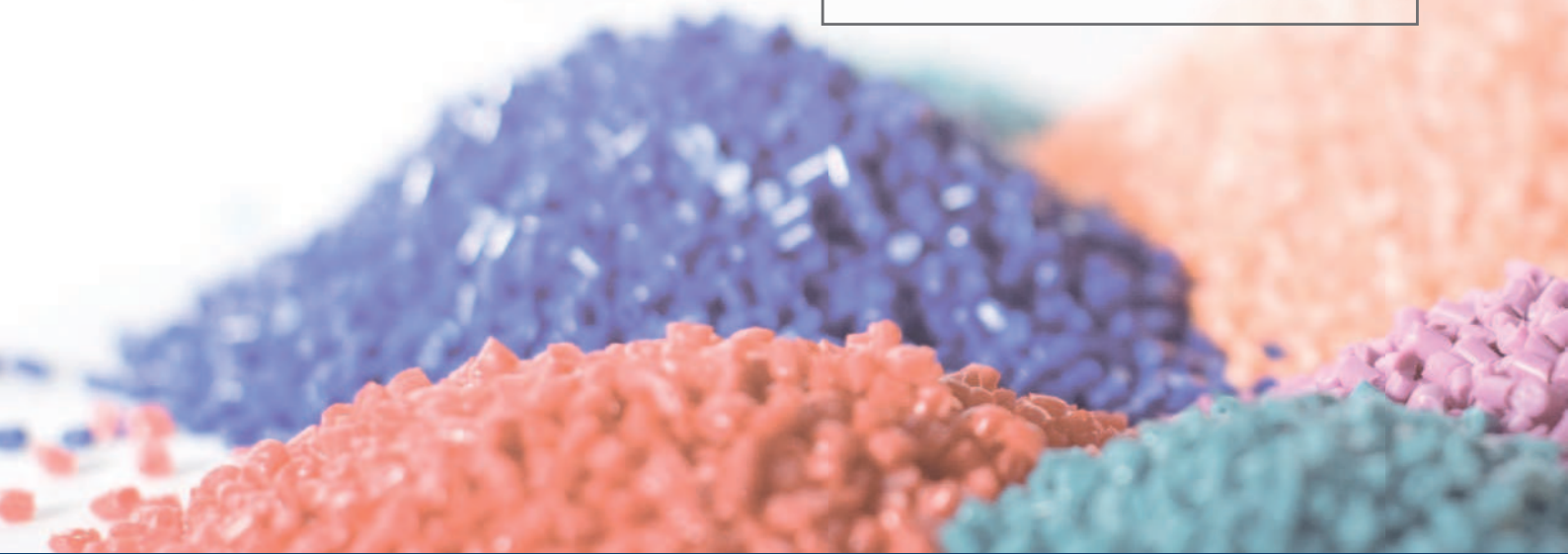
Your advantages
- electrically conductive
- dissipative
- permanently antistatic

resistance	metal	conductive compounds			dissipative compounds			insulating	
Ω	10^{-2}	10	10^{2}	10^{4}	10^{6}	10^{8}	10^{10}	10^{12}	10^{14}

EHLCOM-TL

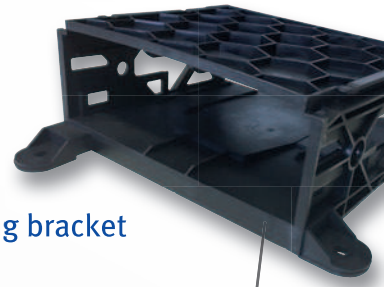
EHLCOM-TL – For efficient heat transfer in components conductive materials are necessary. Normally, plastic is an ineffective heat conductor. Because of this we have developed EHLcom TL.
By adding functional fillers we are able to increase the conductivity significantly. In this way the heat management of components is optimized and temperature stress can be avoided. Additionally, an important reason for failure of components is also avoided.

Your advantages
- heat transfer
- protection of components
- extension of product life time
- increased performance
- more flexibility in design (injection moulding)
- “cooltouch“ effect



speaker mounting bracket

material: EHLablend PC/ABS T65 black 900
description: PC/ABS

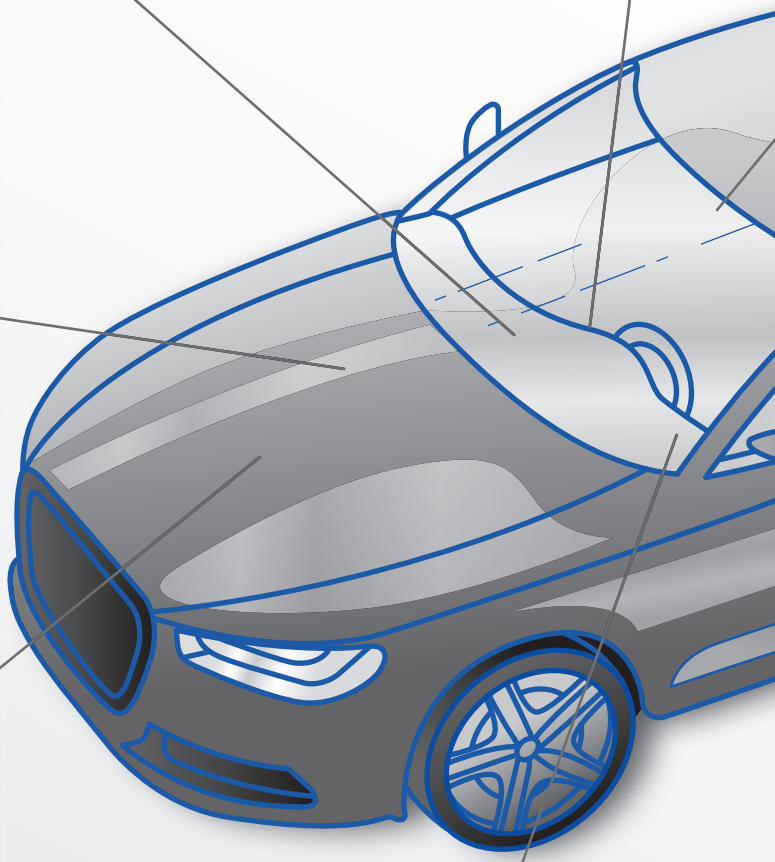


radio mounting bracket

material: EHLamid® A GF 30 black 900
description: PA6.6 glass fibre 30 % reinforced

honeycomb structure – motor application

material: EHLamid® A GF30 HS HY 008 black 900
description: PA6.6 glass fibre 30 % reinforced, heat- & hydrolysis stabilized



engine cover

material: EHLamid® B GF10 MV20
description: PA6 glass fibre 10 % + mineral 20% reinforced

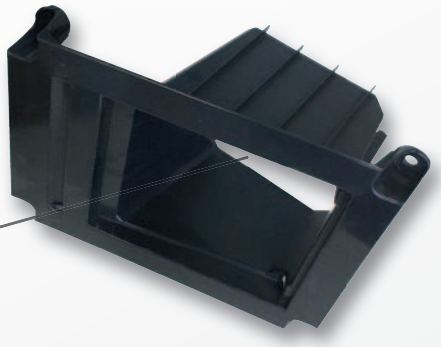
air control blades

material: EHLablend PC/ABS T45 black 900
description: PC/ABS

INTERNATIONAL MATERIAL
DATA SYSTEM

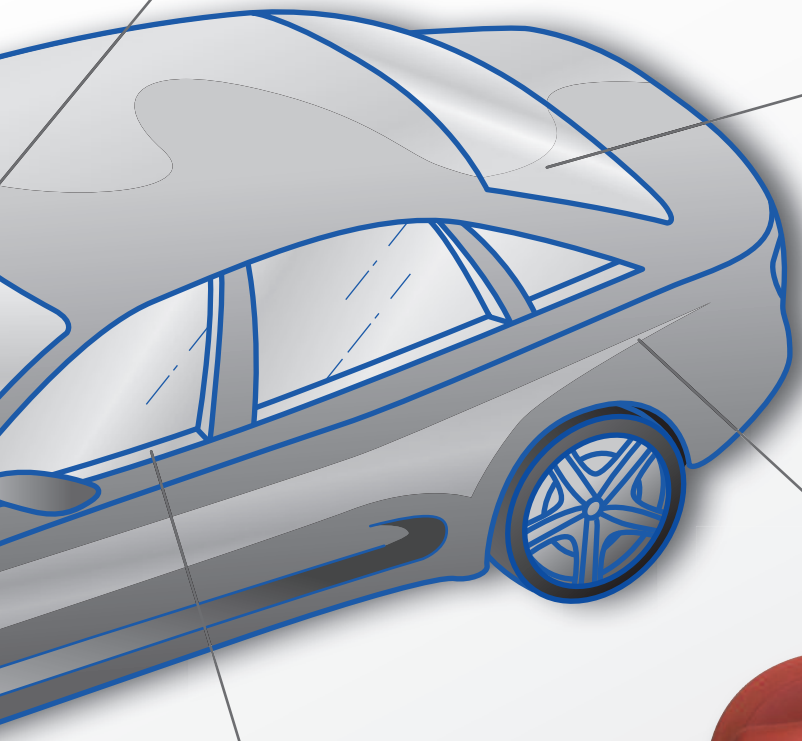
cover for rain-light sensor

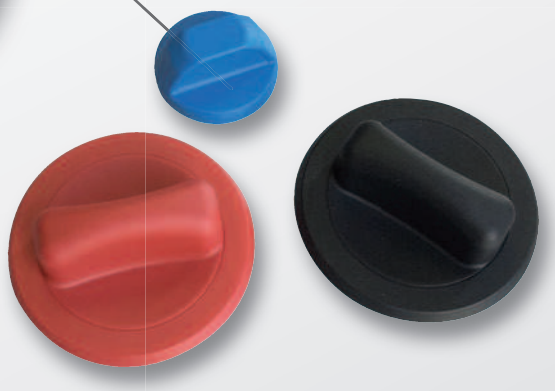
material: EHLcom PC black 900
description: PC unreinforced



trunk through-loading system

material: EHLcom ABS P22 black 900
description: ABS





petrol cap: standard & adblue version

material: EHLamid® A GF30 AdB
description: PA6.6 glass fibre 30 % reinforced + adblue stabilized

enclosure for power windows

material: EHLamid® B GK30 black 900
description: PA6 glass balls 30 % reinforced

Quality Management
ISO 9001

EHLCOM-EMI

EHLCOM-EMI – Due to new technologies more and more electronic devices are required. A challenge is to install all electronic equipment in the available room, because of the electromagnetic interference (EMI). The electromagnetic interference describes electronic devices which are free from interference with the environment.
For this purpose, we have developed EHLcom EMI.

Your advantages

- protection / isolation directly after injection moulding process
- no secondary coating required
- no scratches, no peel-off, independend from variation in thickness of coating layer
- high electrical conductivity
- protection against electrostatic discharging through the entire material (not only the coated surface)
- integration of additional features possible
- high quality protection / isolation against EMI
- design variability + much lighter than metal (weight)

EHLCOM-TM

EHLCOM-TM – radiation crosslinking thermoplastics
Plastic optimized by radiation crosslinking gives inexpensive commodity plastics and technical plastics the mechanical, thermal and chemical properties of high-performance plastics. The energy-rich beta or gamma rays trigger chemical reactions in plastics, which result in a ‘crosslinking‘ reaction of molecules. A network, which is comparable to the vulcanization of rubbers is formed.

Your advantages

- improved mechanical properties
- improved temperature properties
- improved tribological properties
- improved chemical resistance

EHLCOM – Compounds, industry qualities (IQ), reprocessed material

The growing requirements concerning compounds and reprocessed material in accordance with harmful substances guidelines for example RoHS and REACH has confronted ERG EHL Rohstoff GmbH with the necessity for higher standards in quality control.

Therefor, pre-material is checked by means of special x-ray devices for halogen content as well as RoHS conformity. As a result we can guarantee our customers that our compounds and IQ are halogen free, free from heavy metal and the following controllable components for example: cadmium, bromine, lead, mercury / quicksilver, chromium / chrome, etc.

ERG
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Thermoplastische Kunststoffe

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