

## PRESS INFORMATION

Construction / Mounting technique / Sheet metal processing

### Lightweight construction without tolerance problem

Georg Martin GmbH presents the laminated shim from Mylar® PET



*M-Tech®L PET are recommended as an ideal lightweight solution for construction design in which different functional units must be electrically insulated.*

is made of polyethylene terephthalate (PET) Mylar® from DuPont® and consists of several, only 0.10 mm thick laminated plastic foils.

The PET is characterized by;

- High tensile strength
- Tear resistance
- Chemical, mechanical and thermal stability.
- Low density of about 1.3 kg / dm<sup>3</sup> and is counted among the surface insulating of the class B (130°C)
- Good electrical insulation (dielectric strength around 180 V/μm).

Moreover, M-Tech®L PET by Martin® is extremely light, heat and cold resistant and is recommended as an ideal solution for lightweight construction in which different functional units must be electrically insulated. A central aspect in

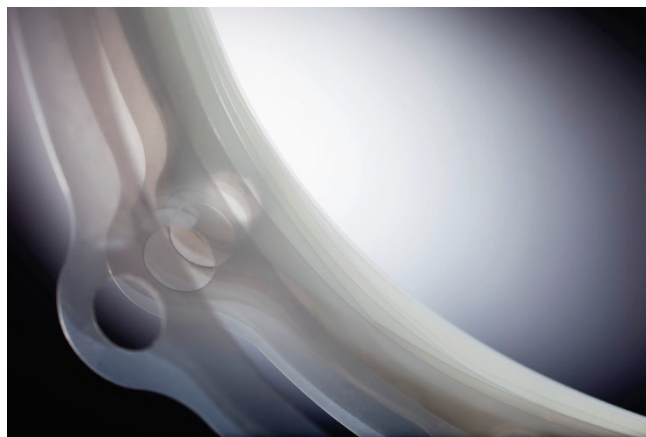
the development of new plastic shims was the easy handling of the peeling film. "Similarly to packaging film, the installer or maintenance engineer can peel the individual layers of M-Tech®L PET easily and accurate by hand. Foil after foil, they approaches required tolerance accurately," says CEO Christoph Martin. Unlike steel, aluminum or brass, the plastic foil can be also reused after peeling.

#### Compensation with double function

Especially in automotive, aerospace, electrical and measuring techniques, there are numerous applications for M-Tech®L PET. Another typical application is the flange insulation in the construction of generators and transformers which PET shims perform here dual function, as tolerance compensation and the insulating effect!

Georg Martin belongs worldwide to the leading manufacturers of metal shims for tolerance compensation. Now the innovative supplier presents the first peelable shims made of PET named M-Tech®L PET. They are particularly suitable for the use in lightweight construction and mechanical assemblies, in which the electrical insulation is involved especially.

For CEO Christoph Martin, the new M-Tech®L PET is a logical continuation of the existing material technical portfolio. Compared to our products made of steel, aluminum and brass, M-Tech®L PET can convince the users with specific properties and its area of utilizations". The new spacer shim by Martin®



*The newly developed PET shims from the series M-Tech®L can be placed in the most areas where the metal shims are normally used.*