

## Press information STRATOR® S5



### STRATOR® S5 – largest performance now also in smallest precision parts

STRATOR® longfibre-reinforced thermoplastics have exhibited high growth rates over recent years. The 7 to 11 mm long granulates result in unique material properties in the injection moulding part. Components manufactured out of STRATOR® LFT exhibit substantially higher mechanical characteristics than shortfibre-reinforced materials, particularly at long-term stress and high temperatures.

The STRATOR®-range based on PA shows outstanding mechanical short time characteristics to over 180° C. Due to new heat stabilization systems these materials can be employed at constant temperatures to over 160° C. Based on its excellent mechanical performance, STRATOR® PA is a well proven economical alternative for metal die casting alloys.

The new STRATOR® S5 range opens up a whole new range of applications. EPIC Polymers and FACT GmbH have developed a revolutionary cut technology which permits it to cut granulates of less 5 mm length. These granules can be processed on small injection moulding machines with a screw diameter of less than 15 mm.

Jörg Konrad, director sales of EPIC Polymers, comments: “We developed the STRATOR® S5 product-range based on the demand of customers that manufacture precision parts. There is a large market potential, since in such parts long fibre-reinforced plastics show significant advantages.”

Fred Panhuizen, director marketing and technology: “This new technology is important for STRATOR® as well as for the long fibre reinforced TRIBOCOMP®-range. We noticed that gears made out of longfibre-reinforced plastics can transfer significantly higher torques than traditional reinforced materials. With STRATOR® S5 now also smallest gear wheels are possible in LFT technology.”

The STRATOR® S5 product range is produced by FACT GmbH and marketed by EPIC Polymers.

FACT Future Advanced Composites & Technology GmbH, Kaiserslautern, develops, produces and markets long fibre-reinforced thermoplastics and is the world-wide leading producer of LFT-PA.

EPIC Polymers ([www.epicpolymers.com](http://www.epicpolymers.com)) is a leading supplier of high-strength and tribologically modified plastics.