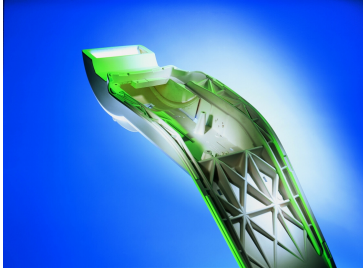


TECARIM

Tough material for mechanical and plant engineering



Semi-finished products from TECARIM have an excellent resistance to impact and abrasion. Application temperatures range from -60 to +120 degrees Celsius. The high abrasion resistance characteristic of polyamides has been improved in the case of TECARIM and can be used advantageously, particularly in the low temperature range.

The high-performance polyamide 6 block copolymers are produced in the reactive casting process, RIM (reaction injection moulding). Liquid basic materials are cast into a form and subsequently react. The material properties can be adjusted according to the application by means of reinforcement materials, elastomer content, additives and fillers.

The standard TECARIM plates and rods contain 15% elastomeric copolymer. Variants with different elastomeric contents between 10 and 40 percent are available on request.

Between polyamides and polyurethane

Tough and low-abrasive parts as well as parts without brittle fracture can be machined for their use under extreme circumstances. According to its properties, TECARIM semi-finished parts can be positioned between polyamides and polyurethane.

TECARIM can be used for machine, plant and functioning parts with high dynamic loads and abrasion resistance. Further applications are heavily loaded plastic parts for the petroleum and gas industry or special-purpose vehicles like cable cars, ski lifts and snow tractors.

Rods are available in diameters of 30, 40, 50, 65,79,100,110 and 150mm, plates are 30, 50, 60, 80 and 100mm thick.

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Custom cast parts with extreme wall thickness variations

Manufacture of parts by the TECARIM custom cast process is particularly suited to cases where extreme wall thickness variations are required.