

TECAPEEK VF

ENSINGER offers TECAPEEK for vacuum forming applications



Tray made of TECAPEEK VF.

In recent years increasing material requirements have made TECAPEEK the material of choice for multiple applications. Specifically for vacuum forming applications, ENSINGER presents the new TECAPEEK VF at the K 2007 fair, offering outstanding thermal and chemical resistance.

Due to manufacturing requirements for light and large surface parts which have to be stable, combined with increasing proliferation of options in technical applications, vacuum forming processes have gained in importance. Vacuum forming is no longer a domain only for standard plastics: increasing requirements in thermal and mechanical loads call for new material solutions.

Products made from TECAPEEK VF combine the tried and tested characteristics of TECAPEEK with new processing possibilities. If increasing safety and material requirements have to be combined with thin walled parts, TECAPEEK is the optimised material choice.

The newly developed product, based on the well-known high performance polymer Victrex[®] PEEK, is physiologically harmless, can be sterilised with all common methods and is inherently flame retardant. Offering approvals for aerospace, medical and pharmaceutical technology, TECAPEEK VF is a very cost effective alternative for these industries.

Further application fields for this new product can be found in the semiconductor industry, chemical industry (eg, as liners in tank construction) or mechanical engineering (for trays or baskets). In the electronics industry, TECAPEEK VF can be used for antenna housings due to its resistance and transparency to electromagnetic waves. The new products can also be used for classic processing methods such as punching of parts or seals, cutting and bending or as semi-finished shapes for micro technology.

The portfolio of TECAPEEK VF sheets fills in the gap between the classical foil range with thickness of up to 0.8mm and the extruded plates of more than 5mm thickness. The sheets are available as stock shapes in thickness of 1, 2 and 3mm with dimensions of 610 x 1220mm.

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