

VALVE BASE



MOULDED MATERIAL

E-TPU + GF (Long Glass Fiber Reinforced)

FAMILY OF MATERIALS

ETPU; TPUR; PU (Polyurethane Thermoplastic Elastomer)

POLYMER'S FEATURES

Modified polyurethane resins (with high mechanical and chemical resistance) were originally developed for medical scope. They are generally available also in long glass fibre filled materials. This polymer combines mechanical resistance and dimensional stability, typical of amorphous resins, with the chemical resistance of crystalline material. Thanks to its long fibre filler, it can replace some metals in high filler applications.

- High traction resistance
- Chemical resistance
- Good load capacity of the bearing

APPLICATION FIELDS

ETPU is famous for its good shock-proof properties, chemical resistance and extraordinary mechanical properties. It is highly dimensionally stable and has good abrasion resistance. It can be used for any mechanical works and where high dimensional precision is required. In the applications with sliding process, it can wear down many types of metal, but it can bear highly corrosive environment and chemical substances with pH-value between 2 and 14. It is also available with unfilled, transparent grades (almost 90% of light transmission), but with the same chemical resistance.

SPECIAL NOTES