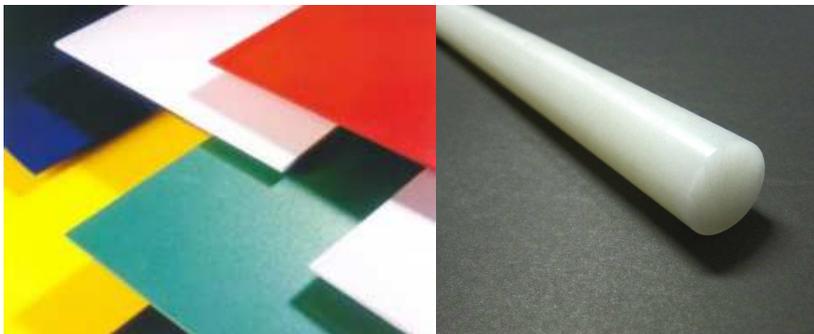


MATERIALS OF CONSTRUCTION FOR PUMPS



- **PVDF (Polyvinylidene Fluoride)**: fluorinated plastic of high chemical properties and remarkably resistant to abrasion. Maintains its mechanicals properties until 120°C(248°F) in continuous applications. Excellent chemical resistance against almost all acids and some inorganic alkalis and high resistance to many organic solvents.
- **PP (Polypropylene)**: thermoplastic of excellent thermal and chemical stability. Resistant to many acid solutions and salts, and to many organic solvents. Mechanical stability up to 90°C(194°F), and up to 110°C(230°F) on discontinuous applications.
- **PE (Polyethylene)**: its chemical structure and resistance to corrosion is similar to polypropylene. The continuous temperature of service is limited to 80°C(176°F). Specially resistant to abrasion.
- **E-CTFE (Ethylene-Tetrafluor chlorethylene)**: fluorinated thermoplastic weldable in inert atmosphere. Its chemical resistance is maximum against most acids, salts and alkalis whether organic or inorganic, even to temperatures until 150°C(302°F) in continuous application; high limit at 170°C(338°F), keeping its mechanical properties.
- **GRP (Fiberglass polyester)**: reinforced composite made from polyester resins and glass fiber. Combines a very high chemical resistance in front of strong acids and chlorinated solvents with an excellent mechanical rigidity, much better than thermoplastic materials. The maximum operation temperature can be as high as 120°C (248°F).
- **PVC (Polyvinyl Chloride)**: pure chlorinated thermoplastic, without plasticizers or additives, UV stabilized for outdoor use. Maximum advisable service temperature 50°C (122°F). High resistance against, solvents, saline and organic solutions.

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