

1. It is a copolymer of a small amount of perfluoropropyl perfluoro vinyl ether and polytetrafluoroethylene. The melt adhesion is enhanced, the viscosity of the solution is decreased, and the performance is unchanged compared with that of polytetrafluoroethylene. This resin can be directly processed into products by ordinary thermoplastic molding methods.
2. Long-term use temperature is - 196-260 °C, some of which are resistant to chemical corrosion. For all chemicals, the friction coefficient is in plastic, and its electrical insulation is not affected by temperature, so it is known as the "king of plastics".
3. Its chemical resistance is similar to that of polytetrafluoroethylene, but better than that of vinylidene fluoride.
4. Its creep resistance and compression strength are better than that of polytetrafluoroethylene, and its tensile strength is high, and its elongation can reach 100-300%. Good dielectric property, radiation resistance and flame retardance up to V0.
5. Suitable for manufacturing parts, wear reducing parts, sealing parts, insulating parts and medical device parts.
6. High-temperature wire and cable insulation, anti-corrosion equipment, sealing materials, pump valve bushings, and chemical containers.

Molding performance

1. Crystalline material, low moisture absorption. It can be processed into products by the usual processing methods of thermoplastics.
2. It has poor fluidity and is easy to decompose, and corrosive gas will be generated during decomposition. The molding temperature should be strictly controlled to not exceed 475 °C, the mold should be heated to 150-200 °C, and the resistance of the pouring system to the material flow should be small.