



Material trade name and model NEOFLON AP-210

Chinese name of material: perfluoroalkyl compound

Material manufacturer: Daikin, Japan

Product packaging: 25KG

PFA plastic 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.

characteristic:

1. Physical properties: low friction coefficient; Low hardness and poor performance; Poor adhesion; Have physiological inertia,;
2. Mechanical properties: poor mechanical properties, easy to creep and cold flow; Good fatigue resistance; Low tensile, bending and impact strength; Generally, it is not used as structural member;
3. Heat resistance: service temperature - 60 - 260 ;
4. Combustion performance: limit oxygen index>95%, self-extinguishing, non-combustible material;
5. Chemical stability:; It is inert to almost all chemical reagents and solvents;
6. Electrical properties: excellent high-frequency insulating materials, excellent dielectric materials;
7. Weather resistance: good weather resistance and atmospheric aging resistance;
8. Processability: injection molding, extrusion and molding can be used; However, the critical shear rate is low, and the discharge rate and pressure are lower during injection molding and extrusion;