## PFA Film

PFA film is made from PFA resin and prepared by the technology of thermoplastic extrusion and blowing. It has non-sticking, heat-resistance, aging resistance, corrosive resistance, non-flammability and good electric property. It can be solid adhesive for PTFE and also a good adhesive for laminating various materials. Its working temperature is up to 260 and is an ideal material for circuit board and flat cable.PFA also named fusible polytetrafluoroethylene ,it kept a PTFE excellent chemistry stability, low, high temperature resistance, dielectric property, self-lubricating, anti-sticking, incombustibility , aging resistance, folding and cracking resistance are the outstanding characteristic of it, its mechanical strength in high temperature is more than 1.6 times as PTFE.

## Usage

Agglutinant
electric iron board producing
F4 wax cloth belt, transmission belt combining adhibiting
F4 copper board inner adhibiting
Window
Electroanalysis
High temperature tape raw material
Capacitance raw material
Biology temperature protecting material
Non-metal compensator in thermo-eletric plant
Flameproof electric machinery
Surface protecting material

**Characteristic**

Good adherence .
Good adherence to mental.
High and low temperature preservation
-200~260°C high temperature intensity better than F4
No-begriming ,and no-stagnant in tube
Touching point angle=114°C
Security and insulation
Under 60HZ-60MHZ high and low temperature , permittivity is 2.1.
If firing, and will still insulate .
Volume resistance more than 1018Ωm
Surface resistance more than 2 X 1013Ω
Voltaic Arc more than 165 seconds insulation
High diaphaneity
Good penetrability in ultraviolet radiation,and lowest refraction coefficient

**Specification**

| lay-flat film (mm) | thickness (mm) |
|---|---|
| 200-250 | 0.02-0.015 |
| 250-280 | 0.03-0.04 |
| 250-300 | 0.05-0.15 |
| 300-350 | 0.15-0.20 |
| 50-1000 | 0.02-0.15 |

Technical index of PFA:

| Index name | Unit | Figure sheet□rod product | tube□film product |
|---|---|---|---|
| Density | g/cm3 | 2.12□2.17 | |
| Tensile strength | Mpa | 22 | 15 |
| Elongation ratio | % | 280 | 260 |
| Temperature range | □ | □200□260 | |
| Dielectric strength | Kv/mm | 15 | |