

Fusible Polytetrafluoroethylene (PFA)

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Main Technical Properties:

Items	Test method	XPN-P03	XPN-P06	XPN-P15	XPN-P30
Appearance	/	Semi-transparent particles or white powder, no obvious impurities			
MFR	ASTM D1238	0.8-3.0	3.1-6.0	6.1-15.0	16-40.0
Standard specific gravity	ASTM D792	2.12-2.17			
Melting temperature (°C)	ASTM D3418	300-316			
Tensile Strength (Mpa) , ≥	ASTM D638	30	28	26	22
Elongation at Break (%) , ≥	ASTM D638	300	300	300	300
Water content (%) , ≤	HG/T 2902	0.2			

Application:

PFA has excellent characteristics and good processability, and is widely used in lining equipment, pipeline valves, chemicals, wire and cable and medical supplies.

Application	Representative Products	Model Specification
lining	Container and Pipeline Lining, Pump Valve Gasket, welding material	XPN-P03 XPN-P06
Pipe	Hose, heat shrinkable tube, heat exchanger tube, level gauge tube	XPN-P03 XPN-P06
Wire and Cable	Insulation sheath for communication cables, electronic cables and other cables	XPN-P15 XPN-P30
Electronic and electrical components	Connectors, sockets, joints, chemical solvent bottles	XPN-P03 XPN-P06 XPN-P30
Thin Film and Sheet	Sheet Lining, Electrical Insulation Tape, Deposition Film	XPN-P03 XPN-P06

Attention:

- PFA is stable and non-volatile at normal ambient temperature, but it will decompose and release certain toxic gases when it is subjected to high temperature during forming process. Therefore, in the process of moulding, extrusion and injection moulding, it is need to ensure good ventilation
- In the process of processing, the decomposition gas of PFA may cause corrosion to the equipment, so it is necessary to avoid the long residence time of PFA in the equipment at high temperature.

Packing & Storage & Transportation:

- The product is packaged in polyethylene plastic bags and then packaged in cardboard boxes with a net weight of 25 kg per box.
- It should stock in clean, cool, and dry warehouse, prevent from agglomeration and contamination.
- This product is non-toxic, non-explosive, non-corrosive, according to non-dangerous goods transport.