

Product: PFA Resin PF-430 is a special purpose fluoroplastic resin available in pellet form. This resin has a higher melt flow rate (typical MFR of 30) than most other PFA fluoroplastic resins, which permits higher extrusion speed and easier processing, PF-430 is specially formulated to provide a high melt flow rate for processing ease, while still providing good flexural properties and stress-crack resistance. These unique properties, coupled with the resin's high thermal stability, enable thin coatings of ultra-fine wires and injection molding of complex parts

Applications: include high performance thinwall wire coatings, It is typically used for the aerospace industry, chemical industry, and faster cable extrusion, more economical for places that do not need high-stress cracking.

Availability: It is packaged in 25-kg multilayer bags with an integral polyethylene liner.

TYPICAL PROPERTIES OF Fusible PF-430 (Data not for specification purposes)

Properties	Test Method	Unit	PF-430
Appearance		No impurities	Translucent particles or white powder
MFR, g/10min	ASTM D3307		15.1-30
Tensile Strength	ASTM D3307	MPa $\geq$	26
Elongation at Break	ASTM D3307	% $\geq$	350
Water Content	ASTM D570	%	0.3
Melting Peak Temperature	ASTM D4591	°C	300-310
Standard Specific Gravity	ASTM D792		2.120~2.170

CERTIFICATION

- ROHS Certification
- REACH Certification
- SVHC Certification

PROCESSING

PF-430 can be processed by conventional melt extrusion, and by injection, compression, and transfer molding processes. High melt strength and heat stability permit the use of relatively large die openings and high-temperature draw-down techniques that increase production rates. Reciprocating screw injection molding machines are preferred. Corrosion-resistant metals should be used in contact with molten fluoropolymer resin. The extruder barrel should be long, relative to diameter, to provide residence time for heating the resin.

STORAGE AND HANDLING

PF-430 resin must avoid contamination for the successful production of high-purity products. The properties of PF-430 resin are not affected by storage time. This product is non-toxic, non-explosive, and non-corrosive, according to non-dangerous goods transport. It should stock in a clean, cool, and dry warehouse, to prevent agglomeration and contamination.

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