

Introduction	Fluorinated Ethylene-Propylene Resin (FEP) is a copolymer of TFE and HFP with good thermal stability, outstanding chemical inertness, good electrical insulation and low friction coefficient. It can be processed by thermoplastic processing method.
Application	Low melt extruding material, with good stress cracking resistance mainly used for insulation and jacket of wire & cable, film and thin walled tube.

No.	Item	Unit	Value	Test Method
1	Melt Flow Rate(MFR)	g/10min	4.1-8.0	ASTM D2116
2	Breaking Strength $\geq$	MPa	21.0	ASTM D638
3	Elongation $\geq$	%	300	ASTM D638
4	Melting Point	°C	265 $\pm$ 10	ASTM D3418
5	Specific Gravity	/	2.12-2.17	ASTM D792
6	Dielectric Constant(10 ⁶ Hz) $\leq$	/	2.15	ASTM D150
7	Dissipation Factor(10 ⁶ Hz) $\leq$	/	7.0x10 ⁻⁴	ASTM D150

Recommended processing conditions

Zone 1 (°C)	Zone 2 (°C)	Zone 3 (°C)	Flange (°C)	Head (°C)	Die (°C)	Cooling
260-280	280-300	320-340	350-365	365-375	365-375	Air/Water

Extruding Machine L/D: 25:1-30:1

DRB: 0.95-1.05

Screw Compression Ratio: 3:1

Extrusion Speed: 20-40m/min

Equilibrium Ratio (DDR): 15-35

Extruding Machine Material:

It is corrosive to most metals, and anti-corrosion materials are suggested for extruding machines, such as: HAC-276



Package: It is packed in PE bag and put in paper drum or double-layer reinforced plastic bag. Normal package is net wt. 25kgs/package and also accept customization.



Storage: Stored in clean, cool and dry places; avoid direct sunlight, moisture and dust.

Niflon® PVDF Powder SP2013

Polyvinylidene fluoride (PVDF) SP2013 are PVDF powder products made of 99.99% purity of vinylidene fluoride (VDF). It has fine mechanical strength and toughness, fine chemistry corrosion resistance and it is suitable to produce PVDF products by injection, extrusion and other processing technology.

Applications

Mainly used for PVDF products by injection, extrusion and other processing technology.

NO.	ITEM	UNIT	SP2013	TEST METHOD
1	Appearance	/	White Powder	/
2	Melting Index (230°C)	g/10min	15.1-25.0(5kg)	GB/T 3682
3	S.S.G	g/cm ³	1.74-1.79	ASTM D792
4	Melting Point	°C	165-175	GB/T 28724
5	Thermal Decomposition	°C	≥380	GB/T 33047
6	Tensile Strength	Mpa	≥40	GB/T 1040
7	Elongation	%	≥45	GB/T 1040
8	Shore Hardness	D	70-80	GB/T 2411

Notice:

This product should be processed under 350°C to avoid producing toxic gases.



Package: Normal package is new wt. 20kgs/package and also accept customization.



Storage: The product should be transported as non-dangerous product, avoiding heat, moisture and strong shock.

Niflon® PVDF Resin SP2011G

Polyvinylidene fluoride (PVDF) SP2011G is a PVDF resin product made of vinylidene fluoride (VDF). It has fine mechanical strength and toughness, fine chemistry corrosion resistance and it is suitable to produce PVDF products by injection, extrusion and other processing technology.

Applications

Mainly used for PVDF products by injection, extrusion and other processing technology.

NO.	ITEM	UNIT	VALUE	TEST METHOD
1	Appearance	/	Off-white Semi-transparent Granule	/
2	Melting Index (230°C)	g/10min	1.0-6.0 (5kg)	GB/T 3682
3	S.S.G	g/cm³	1.74-1.79	ASTM D792
4	Melting Point	°C	165-175	GB/T 28724
5	Thermal Decomposition	°C	≥380	GB/T 33047
6	Tensile Strength	Mpa	≥40	GB/T 1040
7	Elongation	%	≥45	GB/T 1040
8	Shore Hardness	D	70-80	GB/T 2411

Notice:

This product should be processed under 350°C to avoid producing toxic gases.

 Package: Normal package is 25KG plastic bag , 20KG paper drum and 1000KG box. Customization is acceptable.

 Storage: Stored in clean, cool and dry places, avoid direct sunlight, moisture and dust.