

Fluoroelastomer SF26 series

Superfluoron SF26 series is an improved version of traditional FKM copolymer, which utilizes the molecular architecture technology, appropriate designed autoclave and advanced automatic after process flow line to achieve excellent stability, good physical properties and extreme easy process. Superfluoron SF26 series is the quality choice to exhibit the following:

SF26 Series	Description
Gum (without curative incorporated)	
Composition	Di-polymer of VDF and HFP
Specific Gravity	1.80 ~ 1.84
Mooney Viscosity ML1+10@121°C	20 ~ 180
Fluorine Content	Approx.66%
Moisture Content	<0.5%

Note: How do we name our products?

"SF" is an abbreviation of Superfluoron™, the first two figures "26" denote the molecular compositions of the polymers-"2" indicates vinylidene fluoride and "6" indicates hexafluoropropene; the last figures shows the nominal viscosity the elastomer.

Grade	Mooney Viscosity	Grade	Mooney Viscosity
SF2620	20±2	SF2670	70±3
SF2630	30±2	SF2680	80±3
SF2640	40±2	SF2690	90±3
SF2650	50±2	SF26100	100±3
SF2660	60±3		

1.Molecular Formula:



2.Unique Features of Superfluoron™ FKM:

(1)Improved consistent rheology and less fluctuation of Mooney viscosity to achieve very stable quality;(2)Better physical mechanical properties (increased 5-10% compared with the existing similar products);(3)Less shear sensitivity and improved demolding hot tear resistance;(4)Excellent mill roller release and easy processing;

3.Common features:

(1)Good heat resistance,solvent-resistance and excellent oil -resistance;(2)Good physical and mechanical properties,good electrical insulation and anti-radiation properties;(3)Working under 250°C for long period,working at 300°C for short period;(4)Fair low temperature property.Glass-transition temperature -17°C.Brittle point-40°C~-55°C;(5)Not good resistance to LMT Ketones,esters,some ethers,anhydrous ammonia and active amines.

4.Applications:

Widely used in aviation,automobile,petroleum,and chemical industries,mainly for sealing purpose,especially good in the field of requiring heat-resistance and or oil-resistance.Usually be made into "O" sealing rings,"V" sealing rings,gasket,sealing bowl with metal bone.Suitable for both static and dynamic sealing of hydraulic and lubricating systems.

5.Safety / Toxicology:

General handling precautions include: (1) Store and use all fluoroelastomers only in well-ventilated areas.(2) Do not smoke in areas contaminated with dust from fluoroelastomers.(3) Avoid eye contact.(4) After handling fluoroelastomers, wash any contacted skin with soap and water.Potential hazard,including evolution of toxic vapors,do exist during compounding or processing under high temperature conditions.

6.Packaging:

Our fluoroelastomer products wrapped in polyethylene,packed in cardboard cartons,net weight 25 kg.

7.Storage:

Store in shady cool and dry place.Keep containers tightly closed to prevent moisture absorption and contamination.

8.Transportation:

Avoid heating,moistening and exposing to the sun in transportation.Non-hazardous chemicals.