

# Fluoroelastomer SFC601P

## Product Description

Composition	Medium to high viscosity fluoroelastomer copolymer incorporated curatives
Features	Good mechanical properties and excellent compression set
Typical Use	O-ring and gaskets
Process	Compression molding
Cure system	Bisphenol AF

Superfluoron Quality Management  
CCC(China Compulsory Certification)  
ISO/TS16949  
14001 Environmental Management  
System  
Bar Code Traceable System

## Properties

### Typical Values

Fluorine Content, %	66
Specific Gravity	1.81
Color	White
Solubility	LMW Ketones and esters
Mooney Viscosity ML 1+10@121°C	60

Technical information ,test data and related suggestions which we offered are based on Superfluoron reliable information and test results,to help personnel who has relevant knowledge , technical skills and test conditions to analysis , process and use raw gum and processing additives.We make no warranties, express and assume any liability in connection with any use of this information.

## Test Standrad Recipe of SFC601P

### Test Compound

Polymer		100
MT Black (N990)	phr	30
MgO	Phr	3
Ca(OH) <sub>2</sub>	phr	6

Curing Condition	Press	10min at 170°C
	Oven	24h at 230°C

Related announcement  
Due to use condition is out of the control of Superfluoron and the difference is extremely,Users should evaluate and determine whether Superfluoron is suitable for user's intended specific Typical Use before use.

Related safety instructions can refer to Chemical safety instruction (MSDS) which Superfluoron offered.

More information, welcome to visit our website  
[www.superfluoron.com](http://www.superfluoron.com)

## Typical Rheological Properties

### Monsanto Moving Die Rheometer (MDR2000®)

#### 100cpm, 0.5°Arc, 6 minutes, 177°C

ML, Minimum Torque	dNm	2.46
ts <sub>2</sub> , Time to 2 inch-lb rise from minimum	sec	70
t <sub>90</sub> , Time to 90% cure	sec	135
MH, Maximum Torque	dNm	25.30

## Typcial Physical Properties

### Press Cure 10 minutes @ 170°C

### Post Cure 24 hours @ 230°C

Tensile Strength (ASTM D412)	Mpa	15.5
Elongation at break (ASTM D412)	%	190
Hardness (ASTM D2240)	Shore A	78

## Compression Set, [ASTM D395 Method B (Disc)]

Aged 70 hours @ 200°C	%	13
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