

# Fluoroelastomer SFC25P

## Product Description

Composition	Low viscosity fluoroelastomer copolymer incorporated curative
Features	Good flowability, excellent mold release
Typical Use	O-ring, gaskets and complicated geometries
Process	Transfer, injection, extrusion
Cure system	Bisphenol AF

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

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.

## Properties

### Typical Values

Fluorine Content, %	66
Specific Gravity	1.81
Color	White
Solubility	LMW Ketones and esters
Mooney Viscosity ML 1+10@121°C	25

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)

## Test Standard Recipe Of SFC25P

### 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

## Typical Rheological Properties

### Monsanto Moving Die Rheometer (MDR2000®)

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

ML, Minimum Torque	dNm	1.40
ts <sub>2</sub> , Time to 2 inch-lb rise from minimum	sec	50
t <sub>90</sub> , Time to 90% cure	sec	96
MH, Maximum Torque	dNm	14.70

## Typical Physical Properties

### Press Cure 10 minutes @ 170°C

### Post Cure 24 hours @ 230°C

Tensile Strength (ASTM D412)	Mpa	13.0
Elongation at break (ASTM D412)	%	260
Hardness (ASTM D2240)	Shore A	74

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

Aged 70 hours @ 200°C	%	21
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