

# Fluoroelastomer SFC361P

## Product Description

|             |  |
|-------------|--|
| Composition | Low to medium viscosity fluoroelastomer copolymer incorporated curatives |
| Features    | Good tear resistance and excellent metal bonding properties              |
| Typical Use | Oil seals;shaft seals;valve stem seals                                   |
| Process     | Injection, extrusion,transfer or 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 | 30                     |

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 Standard Recipe Of SFC361P

### 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.

## Typical Rheological Properties

### Monsanto Moving Die Rheometer (MDR2000®)

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

|   |     |       |
|---|-----|-------|
| ML, Minimum Torque                                    | dNm | 1.52  |
| ts <sub>2</sub> , Time to 2 inch-lb rise from minimum | sec | 60    |
| t <sub>90</sub> , Time to 90% cure                    | sec | 155   |
| MH, Maximum Torque                                    | dNm | 16.10 |

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

## Typical Physical Properties

### Press Cure 10 minutes @ 170°C

### Post Cure 24 hours @ 230°C

|                                 |         |      |
|---------------------------------|---------|------|
| Tensile Strength (ASTM D412)    | Mpa     | 14.5 |
| Elongation at break (ASTM D412) | %       | 240  |
| Hardness (ASTM D2240)           | Shore A | 75   |

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

|                       |   |    |
|-----------------------|---|----|
| Aged 70 hours @ 200°C | % | 20 |
|-----------------------|---|----|