

Fluoroelastomer SFC461P

Product Description

Composition	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	Compression mold
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	42

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

Test Standard Recipe of SFC461P

Test Compound

Polymer		100
MT Black (N990)	phr	30
MgO	Phr	3
Ca(OH) ₂	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	1.92
ts ₂ , Time to 2 inch-lb rise from minimum	sec	70
t ₉₀ , Time to 90% cure	sec	155
MH, Maximum Torque	dNm	18.10

Typical 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)	%	260
Hardness (ASTM D2240)	Shore A	75

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

Aged 70 hours @ 200°C	%	20
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