

Fluoroelastomer SFT45CP

Product Description

Composition	Improved fluoroelastomer terpolymer incorporated with curatives
Features	Good processing properties ,higher fluorine content and superior fluid resistance than standard terpolymers.
Typical Use	O-rings 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

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, %	69
Specific Gravity	1.87
Color	White
Solubility	LMW Ketones and esters
Mooney Viscosity ML 1+10@121°C	46

Test Standard Recipe Of SFT45CP

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

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	2.32
ts ₂ , Time to 2 inch-lb rise from minimum	sec	75
t ₉₀ , Time to 90% cure	sec	160
MH, Maximum Torque	dNm	17.50

More information, welcome to visit our website
www.superfluoron.com

Typical Physical Properties

Press Cure 10 minutes @ 170°C

Post Cure 24 hours @ 230°C

Tensile Strength (ASTM D412)	Mpa	13
Elongation at break (ASTM D412)	%	230
Hardness (ASTM D2240)	Shore A	78

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

Aged 70 hours @ 200°C	%	26
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Fluid Resistance

In Fuel C for 168 hours @ 23°C

Change in volume%	-20
Change in tensile strength%	-30
Change in Elongation at break%	-4
Change in Hardness	-15