SFLT Low Temperature Fluoroelastomer Series

SUPERFLUORON 超孚优晶 ™

Production Description

SFLT2 series contain 66% fluorine, bisphenol-cured, low temperature fluoroelastomer.The copolymer of hexafluoroporpylene(HFP), vinylidene fluoride(VDF) with PMVE.

SFLT23 series contain 66% fluorine, peroxide-cured, low temperature fluoroelastomer. The combination of SFLT2 and SFLT3 series.

SFLT3 series contain 66% fluorine,peroxide-cured,low temperature fluoroelastomer of vinylidene fluoride(VDF),tetrafluoroethylene(TFE),PMVE and a cure site monomer.

Product Properties

Property		Typical Data				
		SFLT220	SFLT240	SFLT2340	SFLT330	SFLT350
Raw Gum	Specific Gravity, g/cm3	1.80	1.80	1.80	1.79	1.79
	Mooney Viscosity (ML1+10@121°C)	18±2	40±2	40±2	25±2	50±2
	Tensile Strength, MPa	14	15	15	15	16
Vulcanizated Fluoroelastomer	Elongation at Break, %	200	220	240	300	320
	Hardness (Shore A)	75	75	76	79	80
	Compression Set,% (ASTM, Method B, Compression Ratio 25%, 200°C×70h)	20	20	30	45	46
	TR-10, ^{o}C	-21	-21	-26	-30	-30

Note: The information herein is the typical properties but not for specifications.

"SF" is the abbreviation of our trademark Superfluoron, LT represent low temperature and the last two figures show the range of Mooney viscosity.

Main Properties Introduction

This three series products of Superfluoron have the common properties of the ordinary fluoroelastomer,such as high temperature resistance, good oil and liquid resistance but improved low temperature resistance.

Applications

SFLT2 series can be applied to the general low temperature products, SFLT3 series can be more widely used for the static or dynamic seal O-ring, lip seals, moldings, diaphragm ,sheet, and extrusion products in the allowed temperature rang.

Packaging and Storage

Our product is packed in a polyethylene bag, each bag is 5kg net weight, in a carton, each carton net weight 25kg.

Non-hazardous article, avoid sun and moisture.

Store in a cool, dry place, the shelf life can be two years from the date of production.

Over the storage period, reinspection is necessary before use.