RUBCOM
COMPLETE RUBBER SOLUTIONS

Fluoroelastomer compound FKM-8551BR

Ingredients:incorporated copolymer of Vinylidene fluoride and hexafluoropropylene (HFP), containing curing system and various additives and filler

Characteristics: proprietary curing agent compounding technology, excellent processing, mold release, mold flow and compression set properties

Curing system: Bisphenol

Processing methods: Fluoroelastomer compound FKM-8551BR is suitable for producing O-rings and irregular-shaped rings by compression molding. It can be re-compounded in open mixing mill if necessary. FKM-8551BR has good storage stability and resistance to scorch

Tensile properties:		
Color	Brown	
Hardness, Shore A.	85±5	
Tensile strength, mpa	15.7	ASTM D2240
Elongation, %	151	ASTM D-412
SPECIFIC GRAVITY g/cm3	1.98	ATSM D297
Compression set: 200°C x 24 hrs	14.8	ATSM D451
Air Aged 200 °C x 70 hrs		ASTM D471
Hardness change, points	1	
Tensile strength change , %	-5	
Elongation change , %	-7	
#1 oil resistance: 150 °C x 72 hrs		ASTM D471
Volume change, %	0.2	
Hardness change, points	0	
Tensile strength change , %	-4	
Elongation change , %	-6	

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#3 oil resistance: 150 °C x 72 hrs		ASTM D471
Volume change, %	2.3	
Hardness change, points	-1	
Tensile strength change , %	4	
Elongation change , %	-6	
The low temperature °C max	-30	
Curing condition	Press	177°C x 10 min
	Oven	230°C x 16 hrs

Typical Rheological Properties

Monsanto Moving Die Rheometer
(MDR2000)

100cpm , 0.5°Arc , 6 min@177°C

ML	NM	0.332
MH	NM	2.473
Ts2		1.19”
T(90)		3.48”

*The certificates of material present only the technical characteristics of our products. Therefore, they do not release from the obligation to examine the compound after processing it in order to justify its application. Because of different test equipment, test methods, tester and other uncontrollable factors, the data from your laboratory may vary from above values. Please try best to stock below 23C & humidity less than 65%. The computer printout valid without the signature.

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