

Technical Data Sheet

AF 50

Description

PF-50

Composition: 50% FKM curative master batch in a copolymer FKM

Form and Color: Small pellets. Homogeneous white.

Application and Safety:

In order to avoid any possible damages on skin, eye contact and inhalation of the combustion gases, please read the Material Safety Data Sheet (MSDS) before you use the materials. Smoking is prohibited in the workplace.

Typical properties of Vulcanization

Typical recipe for testing:

	PHR
Raw gum -----	100
AF50 -----	4
PB33 -----	1.5
MGO 150 -----	3
NICC5000 -----	6
N990 -----	30

Mooney Viscosity ML(1+10)@121°C ----- 80

MDR 6min@175°C arc0.5

MH -----	20
ML -----	1.5
TS2 -----	80
TC50 -----	125
TC90 -----	175

Mechanical properties

Press cure 10min@170°C

100% (MPA) -----	3.8
Tensile Strength (MPA) -----	9.5
Elongation at break (%) -----	330
Hardness (Shore A) -----	77

Post cure 24H@232°C

100% (MPA) -----	5
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Tensile Strength (MPA)	-----	15
Elongation at break (%)	-----	240
Hardness (Shore A)	-----	77

Compression set

(ASTM D395 B, 200°C*22H*25%)

Compression Set	-----	20
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Hot Air Resistance (ASTM D573, 70H*200°C)

Change in Tensile strength	-----	+4
Change in Elongation at break	-----	-3
Change in Hardness	-----	+1

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