

# FKM

## ELAFTOR 2000 series



**Manufacturer:**  
"HaloPolymer Kirovo-Chepetsk", LLC

**Synonyms:** FKM26  
**Chemical composition:** VDF+HFP  
**Cure type:** Bisphenol, amine  
**HS code:** 3904692000  
**CAS Number:** 9011-17-0

Fluoroelastomer Elaftor 2000 series is a HFP and VDF copolymer. It is Bisphenol AF cure incorporated medium-low viscosity fluoroelastomer, which is suitable for injection, compression moulding, transfermoulding, extrusion and calendaring.



### Parameters of raw gum\*:

PROPERTIES	UNITS	TYPICAL VALUE	TEST METHOD
<b>Appearance</b>	-	Pellets, sheets or lumps of agglutinated crumbs	-
<b>Mooney viscosity, ML 1+10 @ 121°C / 250°F</b>	MU	27-85	ISO 289-1
<b>Volatile loss</b>	% wt. max	0,5	ISO 248 (120°C / 248°F)
<b>Fluorine content</b>	% wt.	66	Potentiometric
<b>Specific gravity</b>	g/sm <sup>3</sup>	1,83	ISO 2781, ASTM 792
<b>T glass transition</b>	°C	-17	ISO 22768

\* These are typical properties and are not to be used for specification purpose.

### Parameters of cured gum\*:

**press cure** 10min @ 177°C / 350°F

**post cure** 24h @ 230°C / 446°F

PROPERTIES	UNITS	TYPICAL VALUE	TEST METHOD
<b>Tensile strength</b>	MPa	13-17	ISO 37
<b>Elongation</b>	%	180-215	ISO 37
<b>Compression set</b>	%	17-22	ISO 815 (70h @ 200°C / 392°F)
<b>Hardness</b>	Shore A	76	ISO 48-4

\*Properties of cured rubber are not to be used for specification purpose.

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### Compound Formulation:

FORMULATION	UNITS	TYPICAL VALUE
Rubber	Phr	13-17
VC-50	Phr	2,5
Ca(OH) <sub>2</sub>	Phr	6
MgO	Phr	3
N-990MT Carbon Black	Phr	30



#### Main application:

Elaftor 2000 is an excellent choice for making O rings, gaskets, seals, diaphragms, membranes and other products.



#### Package:

Elaftor 2000 is available in 22kg box



#### Safety and Handling:

- Handle in well-ventilated areas;
- Fumes must not be inhaled;
- Eye and skin contact must be avoided. In case of skin and eye contact wash with water immediately and seek medical help;
- Smoking is prohibited;
- Do not use metallic particulate as mixing agent as it can decompose at high temperature;
- Store away from heat, keep in clean and dry area.

**Before using fluoroelastomer please read the Material Safety Data Sheet carefully.**