

# FKM SKF-32



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

**Synonyms:** FKM<sub>32</sub>  
**Chemical composition:** VDF+CTFE  
**Cure type:** Amine, peroxide  
**HS code:** 3904692000

Fluororubber SKF-32 has a very high thermal resistance. Prolonged heating for hundreds of hours at 200 °C does not cause significant degradation of this rubber. At the same time, its strength and elasticity are maintained. The decomposition temperature of fluororubber is above 300 °C. Fluororubber SKF-32 dissolves in esters, ketones, swell in aromatic hydrocarbons and some other solvents.

Fluororubber SKF-32 based rubbers have high heat resistance, chemical resistance and excellent mechanical properties. In terms of heat resistance fluororubber SKF-32 is close to polysiloxane rubbers, but considerably surpass them in strength, wear resistance, resistance to oils of various types, gasoline and other organic solvents. Fluororubber SKF-32 based rubbers do not ignite, have excellent ozone and weather resistance.



### Parameters of raw gum\*:

PROPERTIES	UNITS	TYPICAL VALUE	TEST METHOD
<b>Appearance</b>	-	Lumps of agglutinated crumbs	-
<b>Mooney viscosity, ML (4+4)1600C /3200F</b>	MU	70-95	ISO 289-1
<b>Volatile loss</b>	% wt. max	0,15	ISO 248 (120°C / 248°F)
<b>Specific gravity</b>	g/sm <sup>3</sup>	1,83	ISO 2781
<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** 60min @ 150°C , no Post cure

PROPERTIES	UNITS	TYPICAL VALUE	TEST METHOD
<b>Tensile strength</b>	MPa	20	ISO 37
<b>Elongation</b>	%	150	ISO 37
<b>Hardness</b>	Shore A	80	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	100
bis (salicylideneminato) copper	Phr	5
ZnO	Phr	10
Carbon N990	Phr	15



### Main application:

Sleeves, O-rings, diaphragms, seals, gaskets.



### Package:

Fluororubber SKF-32 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.**