

FKM ELAFTOR 3032



Manufacturer:
"HaloPolymer Kirovo-Chepetsk", LLC

Synonyms: FKM246
Chemical composition: VDF+HFP+ TFE
Cure type: Bisphenol, amine
HS code: 3904692000
CAS Number: 25190-89-0

ELAFTOR 3032 is a bisphenolic and diamine cured fluoroelastomer which is a terpolymer of VDF+HFP+TFE. ELAFTOR 3032 operating temperature range is from -15° to 250°C (from 5° to 482°F). The product is processed by extrusion.



Parameters of raw gum*:

PROPERTIES	UNITS	TYPICAL VALUE	TEST METHOD
Appearance	-	Sheets or lumps of agglutinated crumbs	-
Mooney viscosity, ML 1+10 @ 121°C / 250°F	MU	32	ISO 289-1
Volatile loss	% wt. max	0,5	ISO 248 (120°C / 248°F)
Fluorine content	% wt.	68,5	Potentiometric
Specific gravity	g/sm ³	1,87	ISO 2781, ASTM 792
T glass transition	°C	-12	ISO 22768

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

Parameters of cured gum*:

press cure 30min @ 170°C / 338°F

PROPERTIES	UNITS	TYPICAL VALUE	TEST METHOD
Tensile strength	MPa	10	ISO 37
Elongation	%	230	ISO 37
Hardness	Shore A	72	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
Ca(OH) ₂	Phr	6
MgO	Phr	3
N-990MT Carbon Black	Phr	30



Main application:

Elafitor 3032 is an excellent choice for making low permeation fuel hoses, tubes and other extrusion products.



Package:

ELAFTOR 3032 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.