

### Technical Information

FLUONOX<sup>®</sup> KB4603 is a fluoroelastomer which consist of HFP , VDF and TFE. FLUONOX<sup>®</sup> KB4603 is Bisphenol AF cure incorporated fluoroelastomer. It is suitable for compression, Transfer and injection moulding of O-rings . FLUONOX<sup>®</sup> KB4603 grade is an excellent choice for making O-rings and in oil & gas application.

### Product features

- Cure incorporated terpolymer
- Excellent Chemical resistance including oxygenated fuels
- Good choice for O-rings/ gaskets where good compression set is required

### Properties

Properties	Value	Unit	Method
Appearance	Off white slab		
Specific gravity at 23°C (73F)	1.85	gm/cm <sup>3</sup>	ASTM D792
Mooney viscosity-ML(1+10)' at 121°C (250F)	60	MU	ASTM D1646
Solubility	Dissolves in ketone and esters		
Shelf stability at Room temp	Excellent		
Fluorine content	68.5	%	Internal NMR Method
Compression set*	23	%	ASTM D395 Method B

\*It is with standard formulation. CB N990-30phr, MgO -3phr, Ca(OH)2-6phr

Note-These are typical properties and not to be used for specification purpose

### Packaging

FLUONOX<sup>®</sup> KB4603 is available in 25 Kg corrugated box.

## Safety and Handling

Handling and processing of fluoroelastomer must be done in ventilated areas to prevent personnel exposure to the fumes liberated during curing or use of cured rubber at high temperature. During the process, some fumes may generate at high temperature which are harmful for human beings. Fumes should not be inhaled, eye and skin contact must be avoided. In case of skin contact flush skin with cold water immediately. In case of eye contact, flush with water immediately and seek medical help. Smoking tobacco or cigarettes should not be allowed in working area. Mixing agents that contain metallic particulate such as powdered aluminum can rapidly decompose at high temperature; therefore do not use metallic particulate as mixing agent. Fluoroelastomer should be stored away from heat. It should be kept in clean and dry area where it can be protected until it is used. Please read the Material Safety Data Sheet before handling the product.

## Disclaimer

FLUONOX® is the brand name of Gujarat Fluorochemicals Limited (GFL) used for its brand of fluoroelastomer. FLUONOX® can be used in applications duly approved by GFL. Customers who plan to use the word FLUONOX® as the trade mark on or relation to their own fluoroelastomer parts and other products in any style or combination or in any manner whatsoever must contact GFL for prior permission for such use. No consumer/user of GFL fluoropolymer resin is permitted to claim that their products contain FLUONOX® without prior permission from GFL.

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## Note warning

Do not use any of FLUONOX® Fluoroelastomer in medical devices that are designed for permanent implantation in the human body. For other medical uses, prior permission of GFL may be sought.

For more information, please contact Gujarat Fluorochemicals Limited

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