



# Product Application Guide

HNBR solutions  
PFAS Free Alternative



## Application Description

The gas pipeline industries as well as gas processing and LPG combustions engines require low temperature and/or chemical performance for a safe sealing solution. In addition to that, HNBR is an interesting PFAS free alternative, for example in replacing FKM in sensors.

## Product Description

GITIS has a specific range of material solutions for O-Rings, moulded parts and dampers with different ACN content to satisfy the various specifications.

The materials are according to various norms and specifications like ECE R110, ISO 23936 to enable the use in critical applications.

Very good resistance in oil and gas, improved fuel and ozone resistance.

## Our Added Values

- GP online configurator / calculator
- Compounds with modern polymers
- Wide temperature range -50 - 160 [°C]
- Excellent PFAS free alternative
- Very good chemical and wear resistance



## Sealing Your Success

**Disclaimer:** In general, the enclosed information, recommendations or advice are given in a good faith. GITIS srl gives no warranty that the same results can be obtained in other laboratories using different condition of preparation and evaluation of the samples.





## GITIS HNBR MATERIALS GUIDE

Material	Shore A	Colour	TEMP [°C]	ACN	Approvals	Acc. To
HB070ST2	70	black	-32	high		R110 / R67 / EN 549 C1 H3
HG370ST2	70	green	-32	high		R110 / R67 / EN 549 B2 H3
HB090ST0	90	black	-32	high		
HB070LT1	70	black	-50	low		R110 / R67 / EN 549 B2 H3
HB090LT2	90	black	-50	low		R110 / R67
HB090LE0	90	black	-40	low	ISO 23936-2:2011 RGD	R110 / R67
HB090LE1	90	black	-50	low	ISO 23936-2:2011 RGD	R110 / R67





**GITIS** specializes in the development, manufacturing and distribution of high-quality O-rings and seals for all applications with special requirements regarding temperature and media resistance, service life and product quality. Through innovation, technology and high reliability, **GITIS** has become the reliable partner for markets such as automotive, oil and gas, chemical, food and pharma.

With three plants in Italy and China as well as a development office in Germany, we can implement the experience of 40 years together with our customers in strategic growth sectors.

### Sealing Your Success



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