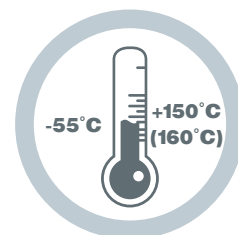




CH₄/CO₂ 90/10%;
150Bar; 100°C,
8 cicli; 5,33mm



TEMPERATURE
RANGE

OLD NHP ICE 90

HNBR

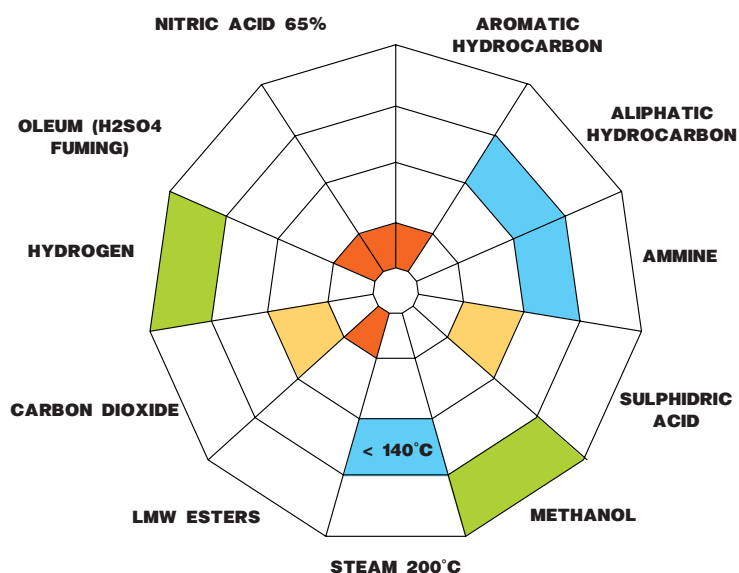
The Oldrati certified material is a very high performing **Hydrogenated Nitrile Rubber (HNBR)** compound with excellent low temperature properties.

Compound developed according to:
- **RGD test Norsok M710**

Sealing capability down to -55°C.

CHEMICAL RESISTANCE CHART

■ Swelling temperature at 23°C
 ■ From 10% to 30%
 ■ From 30% to 50%
 ■ Up to 50% (not recommended)



TYPICAL PROPERTIES

HARDNESS ShA	TENSILE STRENGTH Mpa	ELONGATION AT BREAK %	COMPRESSION SET 72h 150°C %
ISO 7619	ISO 37	ISO 37	D1414 (D395)
85/90	12	150	40 (24H A 150°C)

Oldrati is an international Group among the most important in the production of rubber, plastic and silicone technical goods. Founded in Bergamo in 1964, Oldrati is present in Italy and internationally with 11 production sites, around 1700 employees and a turnover of 180 million euro.

Sustainability and technological innovation are the main assets of the company's strategy, customer satisfaction is achieved through increasing internationalization, R&D and services. Oldrati's specialization in the Oil & Gas field led the Group to achieve prestigious qualifications.

OIL & GAS APPROVED COMPOUNDS PORTFOLIO

NOMEN-CLATURE	OLDRATI NAME	POLYMER DESCRIPTION	SPECIFICATION APPROVAL
FFKM	OLD REX ICE	Black perfluoroelastomer rubber with outstanding chemical resistance and low temperature applications.	NORSOK M710 rev3 (ISO 23936-2)
	OLD REX P495N	Black perfluoroelastomer rubber with outstanding chemical resistance	NORSOK M710 rev3 (ISO 23936-2)
FKM	OLD EDLT 90NL	Black fluorocarbon rubber peroxide cured with excellent chemicals resistance and low temperature properties. certified according to two different RGD specification with different condition.It's also tested with sour gas and according to API 6A annex F with positive results.	NORSOK M710 rev3 (ISO 23936-2) SAUDI ARAMCO 06-SamSS-001 ED. 2013
	OLD EDG 90N	Black fluorocarbon rubber peroxide cured for low temperature application	NORSOK M710 rev3 (ISO 23936-2)
	OLD EDG 95N	Black fluorocarbon rubber peroxide cured for low temperature application	NORSOK M710 rev3 (ISO 23936-2) TOTAL GS PVV142 03/01 REV.00
	OLD EDG 98N	Black fluorocarbon rubber peroxide cured for low temperature application	NORSOK M710 rev3 (ISO 23936-2)
	OLD EDFP 95NA	Black fluorocarbon rubber peroxide cured with improved chemical resistance	SAUDI ARAMCO 06-SamSS-001 ED. 2013
	OLD EDFP 95N	Black fluorocarbon rubber peroxide cured with improved chemical resistance	TOTAL GS PVV 142 03/01 Rev.00
	OLD EDB 95N	Black fluorocarbon rubber bisphenolic cured with improved chemical resistance	NORSOK M710 rev2
	OLD EDA 95N	Black fluorocarbon rubber bisphenolic cured	NORSOK M710 rev2
FEPM	OLD EDAF 90N	Black fluorocarbon rubber peroxide cured specifically designed in ammine service	NORSOK M710 rev2
HNBR	OLD NHP ICE 90	Black hydrogenated nitrile butadiene rubber peroxide cured for low temperature application	NORSOK M710 rev3 (ISO 23936-2)
	OLD EDNHP 90N	Black hydrogenated nitrile butadiene rubber peroxide cured with good chemical resistance	NORSOK M710 rev2 TOTAL GS PVV142 03/01 REV.00
	OLD ULTRA ED90N	Black hydrogenated nitrile butadiene rubber peroxide cured with improved RGD performance at high pressure	TOTAL GS PVV154 REV00