



O&G

OIL AND GAS SEALING TECHNOLOGIES

High Performance Elastomers

Applications subsea equipment, pipeline connectors, valves, compressors and pumps. Lavelast® offers an excellent chemical resistance, low temperature performance and high pressure environments resistance.

Lavelast® perfluoroelastomer material has been developed to perform under extreme conditions, in temperatures as low as -40°C (-40° F) and Explosive Decompression resistant.



High temperature stability up to 255°C (491° F) and low temperature -40°C (-40° F)



Superior Resistance against Explosive Decompression



Suitability for hydrogen service applications 100% H2 static and semi-dynamic H2



Excellent Chemical Resistance in Hydrocarbons and Sauer gas (H2S)



Very low compression set, with best Chemical Resistance



Rapid Gas Decompression (RGD) resistant materials for high pressure environments for oil and gas applications



Our extensive portfolio of elastomeric capabilities includes our High Performance Materials specific for Oil&Gas application, high pressure environments, designed to minimize the risk of damage from explosive decompression AED, Rapid Gas Decompression (RGD).

Lavel Group High Performance materials HNBR - FKM - FEPM (AFLAS) - FFKM Lavelast® are **certified**, according to the **stringent requirements** of **Norsok M-710 RGD**. Norsok M-710 sour gas and 150 10423 (API6A) chemical aging immersion and fixture testing.

HNBR

FEPM

FKM

FFKM

LAV.EL. Gomma materials list for OIL & GAS - Certification and compliance overview according to international standards

MATERIAL	HARDNESS COLOR	CODE	TEMP. MIN	TEMP. MAX	COMPLIANCE	SPECIALIST			
						Anti Decompression Explosive	Low temp. resistance	Hight temp. resistance	Chemical resistance
HNBR	90 Black	HN90ED	-20°C	+150°C	Norsok M-710; API 6A; TOTAL 154; NACE; RAMCO	✓			
HNBR	90 Black	HN90EDLT	-40°C	+120°C	Norsok M-710	✓	✓		
FEPM	75 Black	FE75HTCR	-0°C	+230°C				✓	✓
FEPM	80 Black	FE80HTCR	-0°C	+230°C				✓	✓
FEPM	90 Black	FE90EDHTCR	-0°C	+230°C		✓		✓	✓
FKM	90 Black	FK90ED	-15°C	+250°C	Norsok M-710; API 6A; TOTAL 154; NACE; RAMCO	✓			
FKM	90 Black	FK90EDLT	-40°C	+250°C	Norsok M-710; API 6A; TOTAL 154; NACE; RAMCO	✓	✓		
FKM	90 Black	FK90CR	-5°C	+250°C					✓
FKM	90 Black	FK90EDCR	-6°C	+250°C	Norsok M-710; API 6A; TOTAL 154; NACE; RAMCO	✓			✓
FFKM	90 Black	LAVELAST 90ED	-0°C	+255°C	Norsok M-710; API 6A; TOTAL 154; NACE; RAMCO	✓			
FFKM	90 Black	LAVELAST 90EDLT	-40°C	+220°C	Norsok M-710	✓	✓		





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