



EZTRA®

Z013

FFKM EZTRA® 90 Black ED LT46

CHEMICAL AGGRESSION RESISTANCE WITH OUTSTANDING RGD LOW TEMPERATURE RESISTANCE

EZTRA®013 can provide **un matched strength characteristics**. The chemical aggression resistance series offers the highest level of protection against O-Ring degradation due to chemical and physical factors, so, the best performance in chemically aggressive environments.

It is suitable for most applications in temperature ranging on static applications from **-46°C to 220°C**, offering outstanding resistance to oilfield environments in downhole and surface equipment. Understanding the demanding challenges in the oil and gas exploration and extraction industry.

PLUS

FROM **EZTRA** SMALL TO **EZTRA** LARGE
O-Rings Diameter from 1.00 mm to infinity... AND NOT ONLY

Material can offer an excellent **Anti Explosive Decompression (AED)** behavior coupled obviously with **well-known definition of Rapid Gas Decompression (RGD)**: phenomenon that often occurs when high pressure gas molecules migrate into an elastomer at a compressed state. Most of elastomers experience severe blistering or cracking when the forces of the these expanding gases overcome the strength of the surrounding material. **EZTRA®013**. Can avoid this phenomena!

CERTIFICATIONS

NORSOK M-710 ISO 23936-2

APPLICATIONS

DRILLING TOOLS COMPRESSORS PUMPS
WIRELINE TOOLS VALVES

GENERAL CHARACTERISTICS

General applications: Low Temperature
Colour: Black
Temperature Range: From -45°C to +210°C
From -46°C to +220°C

PHISICAL AND MECHANICAL PROPRIETIES

Property	Standard	Unit	Value
Density	DIN EN ISO 1181-1A	g/cm ³	1.92 ± 0.03
Hardness	DIN EN ISO 868	m-IRHD	90 ± 5
Tensile Strength	DIN 53504 S2	MPa	>10
Elongation	DIN 53504 S2	%	>100

LOW TEMPERATURE RESISTANCE

TR10	ASTM D1329	°C	Value
			<-30

The properties and recommendations given on this data sheet are based on our experience and testes based on the best of our knowledge true and accurate carried out by OringOne. They should not be regarded as specifications but only as a typical properties of the material describe. They are intended for use by persons having technical skill and their own discretion and risk; Since the conditions of use are outside our control, nor have we designed the product shape, we can make warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein shall be construed as a recommendation to infringe any patent or violate law.

PRODUCTS

O-RINGS CORD
TECHNICAL PARTS

CHEMICAL RESISTANCE

Chemical	Resistance
Aldehydes	A1
Alcohols	A1
Alkalis	A1
Amines (RT)	A1
Esters	A1
Ethers	A1
Hot Amines	A2
Hydrocarbons	A1
Inorganic Acids	A1
Ketones	A1
Organic Acids	A1
Strong Oxidezers	A2
Sour Gas	A2
Water/Steam	A1
Florinated Fluids	A2

COMPRESSION SET TESTS

Time	ISO 815-1	Value
48h@200°C	ISO 815-1	<30%
72h@200°C	ISO 815-1	<40%

A1 <10%SWELLING
A2 <20%SWELLING
A3 <30%SWELLING