

# **EZTRA**<sup>®</sup>

Endless O-Rings Perfluoroelastomers

**EZTRA**<sup>®</sup> products offer unrivalled strength characteristics .

Whether it's chemical aggression or extremely high temperatures, they offer very high standards that cannot be reached by ordinary elastomers. This translates into a higher level of plant and process safety by significantly reducing the risk of contamination, breakdowns and interruptions.

The cost-efficiency ratio of the O-Ring is dramatically reduced with **EZTRA**<sup>®</sup>, allowing you to drastically cut down on plant downtime and costs while ensuring high-efficiency values.

When the intrinsic characteristics of perfluoroelastomers are also required to comply with medical and food standards, the **EZTRA**<sup>®</sup> FB+M family is the ideal choice.

The food approvals and the possible black and white colours obtained on the materials allow safe use in the food & beverage industry as well as in the medical/ pharmaceutical field.

**EZTRA**<sup>®</sup> **022** is a white FFKM for food applications with excellent resistance to high temperatures. FDA and 3-A Sanitary.

**EZTRA**<sup>®</sup> **022**  
O-Rings

**General Application  
Temperature Range**

From **-10°C**  
To **275°C**

**Color**  
White

**Curing**  
Peroxide

**Application Target**  
High Temperatures

**Compliances**  
FDA  
3A – Sanitary

**Note**

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## PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	ISO 2781	g/cm <sup>3</sup>	2,65 ± 0,03
Hardness	D2240	ShA	75 ± 5
Tensile Strength	D1414	N/m m <sup>2</sup>	>14
Elongation	D1414	%	>175
TR 10	ASTM D1329	°C	<-1
Brittle Point	ISO 974	°C	
C. Set 70h @200°C	ISO 815	%	<27
C. Set 70h @275°C	ISO 815	%	<59

## CHEMICAL RESISTANCE OVERVIEW

RATING SYSTEM	A1: <10% SWELLING A2: <25% SWELLING A3: <35% SWELLING
Aldehydes	A1
Alcohols	A1
Alkalis	A1
Amines (RT)	A3
Esters	A1
Ethers	A1
Flourinated fluids	A3
Hot Amines	A3
Hydrocarbons	A1
Inorganic Acids	A1
Ketones	A1
Organic Acids	A1
Strong Oxidizers	A1
Sour gas	A1
Water/Steam	A1

**Disclaimer**

Tests performed on test slabs.  
Temperatures, applications and indications are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

## AGEING PROPERTIES

<b>Air 70h 300°C</b>  <b>TEST STD</b> <b>ASTM D573</b>	Property	Unit	Value
	Hardness Change	ShA	+6.0
	Tensile Strength	%	-37.0
	Elongation	%	+21.0
	Volume	%	
	Weight	%	-1.3

<b>Air 70h 275°C</b>  <b>TEST STD</b> <b>ASTM D573</b>	Property	Unit	Value
	Hardness Change	ShA	+4.5
	Tensile Strength	%	-18
	Elongation	%	+7.6
	Volume	%	
	Weight	%	-0.6

<b>MEK 168h 40°C</b>  <b>TEST STD</b> <b>ASTM D471</b>	Property	Unit	Value
	Hardness Change	ShA	-3.5
	Tensile Strength	%	
	Elongation	%	
	Volume	%	+3.2
	Weight	%	

<b>Fuel M15</b> <b>500h 40°C</b>  <b>TEST STD</b> <b>ISO 1817</b>	Property	Unit	Value
	Hardness Change	ShA	-3.5
	Tensile Strength	%	
	Elongation	%	
	Volume	%	+4.3
	Weight	%	