147501006

LOW TEMPERATURE RESISTANCE

*The FFKM **147501006** Compound* low temperature products enhance existing capabilities to withstand chemical aggression and high pressure in extremely cold and harsh environments. These products are engineered to maintain performance and reliability, ensuring durability and safety under the most demanding conditions.

*The FFKM **147501006** Compound* is specifically designed for low temperature applications down to -46°C, combining an extended temperature range with good chemical resistance.

147501006
FFKM 75 black LT46

Rev. 03

GENERAL CHARACTERISTICS

General Applications:	Low Temperature
Colour:	Black
Temperature Range:	From -46°C to +240°C
Curing System:	Peroxide
Compliances:	

PHYSICAL AND MECHANICAL PROPRIETIES

Property	Test STD	Unit	Value
Density	DIN EN ISO 1181-1 A	g/cm³	1.95 ± 0.03
Hardness	DIN EN ISO 868	Shore A	75 ± 5
Tensile Strength	DIN 53504 S2	MPa	> 16
Elongation	DIN 53504 S2	%	>240

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	<-30

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
48h @ 200°C	ISO 815-1	%	<25
72h @ 200°C	ISO 815-1	%	<31

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O-RING-STOCKS

TECHNIPARTS
SEALING TECHNOLOGIES

Key
A1 → *<10% Swelling*
A2 →*<25% Swelling*
A3→ *<35% Swelling*

Notes

Chemical Resistance

Chemical	Rating
Aldehydes	A1
Alcohols	A1
Alkalis	A2
Amines (RT)	A2
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	A2

AGEING PROPERTIES

Standard:

Properties	Unit	Value
Hardness	Shore A	
Tensile Strength	%	
Elongation	%	
Volume	%	
Weight	%	

Standard:

Properties	Unit	Value
Hardness	Shore A	
Tensile Strength	%	
Elongation	%	
Volume	%	
Weight	%	

Standard:

Properties	Unit	Value
Hardness	Shore A	
Tensile Strength	%	
Elongation	%	
Volume	%	
Weight	%	

Standard:

Properties	Unit	Value
Hardness	Shore A	
Tensile Strength	%	
Elongation	%	
Volume	%	
Weight	%	

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.

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