

147501002

HIGH TEMPERATURE RESISTANCE

The FFKM **147501002** Compound products offer unrivalled strength characteristics. HT is designed to maintain their physical and mechanical properties for long periods of time at temperatures above 300°C with peaks of up to 330°C.

The FFKM **147501002** Compound combines high-temperature resistance with excellent resistance to most chemicals.

147501002 FFKM 75 black HT320

Rev. 05

GENERAL CHARACTERISTICS

General Applications:	High Temperature
Colour:	Black
Temperature Range:	From -10°C to +320°C
Curing System:	Peroxide
Compliances:	

PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	ASTM D297	g/cm ³	1.94 ± 0.03
Hardness	ASTM D2240	Shore A	75 ± 5
Tensile Strength	ASTM D412 C	MPa	> 14
Elongation	ASTM D412 C	%	> 130

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -1

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
48h @ 200°C	ISO 815-1	%	< 25
72h @ 200°C	ISO 815-1	%	< 49

O-ring-stocks.eu

Rondweg 26, 8091 XB, Wezep, Netherlands
info@o-ring-stocks.eu | +31 (0)38 202 4043

Techniparts B.V.

Rondweg 26, 8091 XB, Wezep, Netherlands
verkoop@techniparts.nl | +31 (0)38 460 1232

Key

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

Notes

Chemical Resistance

Chemical	Rating
Aldehydes	A1
Alcohols	A1
Alkalis	A1
Amines (RT)	A3
Esters	A1
Ethers	A1
Hot Amines	A3
Hydrocarbons	A2
Inorganic Acids	A1
Ketones	A1
Organic Acids	A1
Strong Oxidezers	A1
Sour Gas	A2
Water/Steam	A2

AGEING PROPERTIES

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

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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.