

149001011

HIGH TEMPERATURE RESISTANCE

The FFKM **149001011** 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 **149001011** Compound offers excellent resistance to high temperatures and high pressures.*

149001011 FFKM 90 black HT300

Rev. 03

GENERAL CHARACTERISTICS

General Applications:	High Temperature
Colour:	Black
Temperature Range:	From -10°C to +300°C
Curing System:	Peroxide
Compliances:	

PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	DIN EN ISO 1181-1 A	g/cm ³	1.96 ± 0.03
Hardness	DIN EN ISO 868	Shore A	90 ± 5
Tensile Strength	DIN 53504 S2	MPa	>19
Elongation	DIN 53504 S2	%	>90

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	%	<45
72h @ 200°C	ISO 815-1	%	<52

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Key

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

Notes

Chemical Resistance

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

AGEING PROPERTIES

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

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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.