

# Z428

## FKM 70 BLACK HF

Update 27 March 2019

### General Application

#### Temperature Range

From	-15°C
To	220°C

### General Environmental Application

Chemicals  
Hydrocarbons  
High Temperatures  
Steam  
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### Compliances

### Composition – IMDS Data

CAS n°	Qty %
25190-89-0	65-76
1333-86-4	16-18
68855-54-9	3-5
1314-13-2	2-4
471-34-1	0-2
78-63-7	0-1
1025-15-6	0-2
124-30-1	0-1
8015-86-9	0-1
n.a.	0-2

### Note

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### Disclaimer

Temperatures, applications and indications here above are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

### PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	ASTM D297	g/cm <sup>3</sup>	1,91 ± 0,03
Hardness	ASTM D2240	ShA	70 ± 5
Tensile Strength	ASTM D412	N/mm <sup>2</sup>	16,8
Elongation	ASTM D412	%	250
Tear resistance	ASTM D624B	N/mm	33
TR 10	ASTM D1329	°C	-7
Brittle Point		°C	
C. Set 24h @150°C	ASTM D395B	%	18
C. Set 70h @200°C	ASTM D395B	%	29

### AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @200°C			
	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	
Air 70h @250°C	ASTM D573		
	<i>Hardness Change</i>	ShA	+2
	<i>Tensile Strength</i>	%	-4
	<i>Elongation</i>	%	-12
	<i>Volume</i>	%	
	<i>Weight</i>	%	
Oil ASTM 3 70h @150°C	ASTM D471		
	<i>Hardness Change</i>	ShA	-1
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	+2
	<i>Weight</i>	%	
Fuel ASTM C 70h @23°C			
	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	

