

# Z440

## FKM 70 BLACK

### FDA 3-A

REV. 2

#### General Application

#### Temperature Range

From -20°C  
To 220°C

#### General Environmental Application

Chemicals  
Hydrocarbons  
High Temperatures  
Food  
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#### Compliances

FDA cfr 21  
3-A Sanitary Standard  
WRAS  
USP Class VI

#### Note

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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.

#### PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	ASTM D297	g/cm <sup>3</sup>	2,01 ± 0,03
Hardness	ASTM D2240	ShA	70 ± 5
Tensile Strength	ASTM D412	N/mm <sup>2</sup>	>12
Elongation	ASTM D412	%	>185
Tear resistance		N/mm	>
TR 10	ASTM D1329	°C	<-17
Brittle Point	ASTM D 2137	°C	<
C. Set 24h @200°C	ASTM D395B	%	<16
C. Set 70h @200°C		%	<

#### AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @250°C	ASTM D573		
	<i>Hardness Change</i>	ShA	+2,5
	<i>Tensile Strength</i>	%	-9,5
	<i>Elongation</i>	%	-10,7
	<i>Volume</i>	%	
	<i>Weight</i>	%	

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*Hardness Change* ShA  
*Tensile Strength* %  
*Elongation* %  
*Volume* %  
*Weight* %

Fuel ASTM C 70h @23°C	ASTM D471		
	<i>Hardness Change</i>	ShA	-4,5
	<i>Tensile Strength</i>	%	-15,7
	<i>Elongation</i>	%	-16,6
	<i>Volume</i>	%	+4,3
	<i>Weight</i>	%	

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*Hardness Change* ShA  
*Tensile Strength* %  
*Elongation* %  
*Volume* %  
*Weight* %

