

# Z302

## FEPM 90 BLACK

### AFLAS®

REV. 3

#### General Application

#### Temperature Range

From 0°C  
To 200°C

#### General Environmental Application

Steam

H2S

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#### Compliances

#### 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 D1817	g/cm <sup>3</sup>	1,62 ± 0,03
Hardness	ASTM D2240	ShA	90 ± 5
Tensile Strength	DIN 53504 S2	N/mm <sup>2</sup>	>12
Elongation	DIN 53504 S2	%	>160
Tear resistance	ASTM D624B	N/mm	>36
TR 10	ASTM D 1329	°C	<2
Brittle Point	ASTM D1329	°C	<0
C. Set 24h @200°C	ASTM D395	%	<38
C. Set 70h @200°C	ISO 815-1 A	%	<59

#### AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @200°C	ASTM D573		
	<i>Hardness Change</i>	ShA	+2,8
	<i>Tensile Strength</i>	%	+0,5
	<i>Elongation</i>	%	-27,2
	<i>Volume</i>	%	-2,4
	<i>Weight</i>	%	-1,1
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	
Oil ASTM 3 70h @150°C	ASTM D471		
	<i>Hardness Change</i>	ShA	-6,4
	<i>Tensile Strength</i>	%	-14,7
	<i>Elongation</i>	%	-12,5
	<i>Volume</i>	%	+11,5
	<i>Weight</i>	%	+6,7
H2O 70h @100°C	ASTM D471		
	<i>Hardness Change</i>	ShA	-3
	<i>Tensile Strength</i>	%	-21,1
	<i>Elongation</i>	%	-9
	<i>Volume</i>	%	+3,7
	<i>Weight</i>	%	+2,4

