

# Z534

## EPDM 70 BLACK PEROX FDA

REV. 02

### General Application Temperature Range

From -50°C  
To 150°C

### General Environmental Application

Steam  
Water  
Coolant  
Food  
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### Compliances

**FDA cfr 21**  
**3-A Sanitary Std**  
**USP class VI**  
**NSF 61**  
**WRAS (WRC)**  
**DVGW 549**  
**KIWA**  
**W270 (TZW)**  
**CLP / ACS**  
**EN 681.1**  
**USP 32 <87>**  
**USP CLASS VI**  
**HYDROGEN**

**COMPATIBILITY** according  
to SAE J2600, clause 5.5.3

### Note

#### 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	ISO 2781A	g/cm <sup>3</sup>	1,15 ± 0,03
Hardness	ASTM D2240	ShA	70 ± 5
Tensile Strength	ISO 37	N/mm <sup>2</sup>	>15
Elongation	ISO 37	%	>200
Tear resistance	ISO 34-1C	N/mm	>30
TR 10	ISO 2921	°C	<-42
Brittle Point	ISO 812	°C	<-68
C. Set 24h @150°C	ISO 815B	%	<14
C. Set 70h @150°C	ISO 815B	%	<25

## AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @100°C	ISO 188B		
	<i>Hardness Change</i>	ShA	+1
	<i>Tensile Strength</i>	%	-8
	<i>Elongation</i>	%	-12
	<i>Volume</i>	%	-0,1
	<i>Weight</i>	%	-0,1
Air 70h @150°C	ISO 188B		
	<i>Hardness Change</i>	ShA	+4
	<i>Tensile Strength</i>	%	-25
	<i>Elongation</i>	%	-25
	<i>Volume</i>	%	-0,4
	<i>Weight</i>	%	-0,4
H2O 70h @100°C	ISO 1817		
	<i>Hardness Change</i>	ShA	-1
	<i>Tensile Strength</i>	%	-4
	<i>Elongation</i>	%	-7
	<i>Volume</i>	%	+1,3
	<i>Weight</i>	%	+1
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	

