

Z534

EPDM 70 BLACK PEROX FDA

Update 26 March 2019

General Application Temperature Range

From -50°C
To 150°C

General Environmental Application

Steam
Water
Coolant
Food

Compliances FDA cfr 21 3-A Sanitary Std USP class VI

Composition – IMDS Data

CAS n°	Qty %
25038-36-2	45-55
1333-86-4	35-45
1314-13-2	0-3
71664-47-0	1-4
n.a.	6

Note

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	ISO 2781A	g/cm ³	1,14 ± 0,03
Hardness	ASTM D2240	ShA	70 ± 5
Tensile Strength	ISO 37	N/mm ²	17
Elongation	ISO 37	%	220
Tear resistance	ISO 34-1C	N/mm	32
TR 10	ISO 2921	°C	-42
Brittle Point	ISO 2921	°C	-70
C. Set 24h @150°C	ISO 815A	%	13
C. Set 70h @150°C	ISO 815A	%	24

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>	%	+1,5
	<i>Weight</i>	%	+1

	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	

