

# Z218

## CR 70 BLACK NEOPRENE

Update 26 March 2019

### General Application Temperature Range

From -35°C  
To 100°C

### General Environmental Application

Gas  
Ozone  
UV Rays  
Sea water  
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### Compliances

### Composition – IMDS Data

CAS n°	Qty %
9010-98-4	40-50
1333-86-4	25-35
14807-96-6	5-8
1314-13-2	1-4
28553-12-0	9-14
137-26-8	0-3
<b>n.a.</b>	6

### 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>	1,42 ± 0,03
Hardness	ASTM D2240	ShA	70 ± 5
Tensile Strength	ASTM D412C	N/mm <sup>2</sup>	14,9
Elongation	ASTM D412C	%	256
Tear resistance	ASTM D624C	N/mm	37
TR 10	ASTM D1329	°C	-36
Brittle Point	ASTM D746	°C	-36
C. Set 24h @100°C	ASTM D395B	%	22
C. Set 70h @100°C		%	

### AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @100°C	ASTM D573		
	<i>Hardness Change</i>	ShA	+3,5
	<i>Tensile Strength</i>	%	+1
	<i>Elongation</i>	%	-14
	<i>Volume</i>	%	-2,6
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
Oil ASTM 1 70h @100°C	ASTM D471		
	<i>Hardness Change</i>	ShA	+3
	<i>Tensile Strength</i>	%	+5
	<i>Elongation</i>	%	-13
	<i>Volume</i>	%	-4
Oil ASTM 3 70h @100°C	ASTM D471		
	<i>Hardness Change</i>	ShA	-25
	<i>Tensile Strength</i>	%	-24
	<i>Elongation</i>	%	-25
	<i>Volume</i>	%	+45
<i>Weigth</i>	%	+29	

