

# Z177

## EPDM 60 BLACK FDA

Update 26 March 2019

### General Application

#### Temperature Range

From -40°C  
To 110°C

### General Environmental Application

Water  
Ozone  
UV Rays  
Food  
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### Compliances

#### FDA cfr 21

### Composition – IMDS Data

CAS n°	Qty %
25038-36-2	35-45
1333-86-4	20-30
112926-00-8	9-14
1314-13-2	2-5
64742-65-0	18-23
n.a.	4-5

### 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	DIN 53479	g/cm <sup>3</sup>	1,10 ± 0,03
Hardness	DIN 53505	ShA	60 ± 5
Tensile Strength	DIN 53504	N/mm <sup>2</sup>	15,8
Elongation	DIN 53504	%	358
Tear resistance	DIN 53515	N/mm	53
TR 10		°C	
Brittle Point	ASTM D2137	°C	-58
C. Set 24h @100°C	DIN 53517	%	22,9
C. Set 70h @100°C	DIN 53517	%	35

### AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @100°C	DIN 53508		
	<i>Hardness Change</i>	ShA	+6
	<i>Tensile Strength</i>	%	+4,3
	<i>Elongation</i>	%	-37
	<i>Volume</i>	%	-2,5
	<i>Weight</i>	%	-2,3
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weight</i>	%	

