



Material data sheet

EPDM FDA black

Ethylene propylene diene rubber

resistant to: (hot) water, acids, bases, ketones, HFC- and HFD-fluids, lyes

<i>Properties</i>	<i>Condition</i>	<i>Standard</i>	<i>Unit</i>			
Colour				black		
Hardness	23°C	ISO 868	Shore A	85+/-5	Shore A	85+/-5
Modulus 100%	23°C	DIN 53 504	MPa	8	Psi	1160
Tensile strength	23°C	DIN 53 504	MPa	10	Psi	1320
Elongation at break	23°C	DIN 53 504	%	100	%	100
Tear strength	23°C	DIN 53515	kN/m	4	Lbf/inch	23
Spec. Gravity	23°C	ISO 1183	kg/m³	1186	g/cm³	1,19
Rebound elasticity	23°C	DIN 53 512	%	40	%	40
Abrasion	23°C	DIN 53 516	mm³		mm³	140
Compression set	*	ISO 815	%	10	%	10
Compression set	**	ISO 815	%	10	%	10
Compression set	***		%		%	
Minimum service temperature			°C	-45	°F	-49
Maximum service temperature			°C	130	°F	266
Temp maximum water steam			°C	130	°F	266
Temp maximum hot air			°C	150	°F	302
*24h 70°C 25% deflection	**24h 100°C 25% deflection			***24h 150°C 25% deflection		

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

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