



Material data sheet

MVQ Silicone FDA translucent

Vinyl methyl silicone rubber

resistant to: acids, lyes and mineral oils

<i>Properties</i>	<i>Condition</i>	<i>Standard</i>	<i>Unit</i>			
Colour				translucent		
Hardness	23°C	DIN 868	Shore A	85+/-5	Shore A	85+/-5
Modulus 100%	23°C	DIN 53 504	MPa	4	Psi	580
Tensile strength	23°C	DIN 53 504	MPa	8	Psi	1160
Elongation at break	23°C	DIN 53 504	%	250	%	250
Tear strength	23°C	DIN ISO 34-1 Methode B	kN/m	8	Lbf/inch	45
Spec. Gravity	23°C	ISO 1183	kg/m³	1180	g/cm³	1,18
Rebound elasticity	23°C	DIN 53 512	%	38	%	38
Abrasion	23°C	DIN 53 516	mm³		mm³	
Compression set	*	ISO 815	%	14	%	14
Compression set	**	ISO 815	%	7	%	7
Compression set	***	ISO 815	%	20	%	20
Minimum service temperature			°C	-60	°F	-76
Maximum service temperature			°C	200	°F	392
Temp maximum water steam			°C	110	°F	230
Temp maximum hot air			°C	300 short	°F	572 short
*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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