

## SILICONE MVQ

Vinyl methyl silicone rubber

### Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit	unit
colour				blue		blue
hardness	23°C	ISO 868	shore A	85 ± 5	shore A	85 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥4	psi	≥ 405
tensile strength	23°C	DIN 53 504	MPa	≥7	psi	≥ 710
elongation at break	23°C	DIN 53 504	%	120	%	120
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 15	lbf/inch	≥ 85
spec. gravity	23°C	ISO 1183	kg/m <sup>3</sup>	1580	g/cm <sup>3</sup>	1,58
rebound elasticity	23°C	DIN 53 512	%	35	%	35
abrasion	23°C	DIN 53 516	mm <sup>3</sup>		mm <sup>3</sup>	
compression set	*	ISO 815	%	≤8	%	≤8
compression set	**	ISO 815	%	≤9	%	≤9
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-60	°F	-76
maximum service temperature			°C	200	°F	392
temp. max water/steam			°C		°F	
temp. max hot air			°C	300 short	°F	572 short

\* 24h 70°C 25% def.

\*\* 24h 100°C 25% def.

\*\*\* 24h 150°C 25% def.

### Chemical Properties

Copolymer, based on methyl, vinyl and silicone

Resistant to: hot air, ozone, hot water and acetic acid

Not resistant to: aliphatic and aromatic hydrocarbons and esters