

RHONDAMA LIMITED MVQ

MVQ Silicon Hardness 85° Shore A Blue

Vinyl methyl silicone rubber

Mechanical, physical and thermal properties

Properties	Condition	Standard	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	≥7	Psi	≥1015
Tensile strength	23°C	DIN 53 504	MPa	≥8	Psi	≥1160
Elongation at break	23°C	DIN 53 504	%	≥130	%	≥130
Tear strength	23°C	DIN 53 515	kN/m	≥12	Ibf/inch	≥69
Spec. gravity	23°C	ISO 1183	Kg/m ³	1600	g/cm ³	1,6
Rebound elasticity	23°C	DIN 53 512	%	≥35	%	≥35
Abrasion	23°C	DIN 53 516	mm ³		mm ³	
Compression set	*	ISO 815	%	≤8	%	≤8
Compression set	**	ISO 815	%	≤9	%	≤9
Compression set	***	ISO 815	%	≤35	%	≤35
Minimum service temperature			°C	-60	°F	-76
Maximum service temperature			°C	220	°F	428
Temp maximum water steam			°C	120	°F	248
Temp maximum hot air			°C	300 short	°F	572 short

* 24 h 70°C 25% deflection ** 24h 100°C 25% deflection *** 24h 175°C 25% deflection

Chemical Properties

Copolymer, based on methyl, vinyl and silicone

Resistant to: acids, lyes and mineral oils

Not resistant to: aliphatic and aromatic hydrocarbons and esters

Detailed information concerning chemical resistance see Rhondama Compatibility Chart