

RHONDAMA LIMITED MVQ FDA

MVQ Silicon FDA Hardness 85° Shore A Translucent

Vinyl methyl silicone rubber

Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Translucent		Translucent
Hardness	23°C	ISO 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	≥9	Psi	≥1305
Elongation at break	23°C	DIN 53 504	%	≥300	%	≥300
Tear strength	23°C	DIN 53 515	kN/m		Ibf/inch	
Spec. gravity	23°C	ISO 1183	Kg/m ³	1180	g/cm ³	1,18
Rebound Elasticity	23°C	DIN 53 512	%		%	
Abrasion	23°C	DIN 53 516	mm ³		mm ³	
Compression set	*	ISO 815	%	≤4	%	≤4
Compression set	**	ISO 815	%	≤7	%	≤7
Compression set	***	ISO 815	%	≤20	%	≤20
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° 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