

MVQ 85 Shore A blue

Copolymer, based on methyl, vinyl and silicone

MVQ (silicone) is known for its very low and high service temperature range. It has very good stability in hot air for a short period of time up to 300°C.

Mechanical, physical and thermal properties

Material code: 0500H

Properties	Condition	Standard	Unit	Unit		
Color						blue
Hardness	23°C/3sec. 23°C/15sec.	ISO 868	Shore A	85 ± 5 84 ± 5		
Modulus 100%	23°C	DIN 53 504	MPa	≥5	psi	≥725
Tensile strength	23°C	DIN 53 504	MPa	≥7	psi	≥1015
Elongation at break	23°C	DIN 53 504	%	100		
Tear strength	23°C	DIN ISO 34-1	kN/m	≥16,4	lbf/inch	≥90
Specific gravity	23°C	ISO 1183	kg/m ³	1470	g/cm ³	1,47
Rebound Elasticity		DIN53 512	%	52		
Abrasion	23°C	DIN 53 516	mm ³			
Compression set	*	ISO 815	%	≤10		
Compression set	**	ISO 815	%	≤30		
Compression set	***	ISO 815	%			
Minimum service temperature			°C	-60	°F	-76
Maximum service temperature			°C	200	°F	392
Maximum temp. water/steam			°C	110	°F	230
Maximum temp. hot air/short			°C	300	°F	572
*24h 70°C 25% deflection		** 24h 100°C 25% deflection				

Resistant to: ozone, aging, hot water and acetic acids

Not resistant to: aliphatic, aromatic hydrocarbons and esters, low resistance against greases