

MVQ 85 Shore A FDA transparent

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. MVQ transparent comes with FDA approval.

Mechanical, physical and thermal properties

Material code: 0501H

Properties	Condition	Standard	Unit	Unit		
Color				transparent		
Hardness	23°C/3sec. 23°C/15sec.	ISO 868	Shore A	85 ± 5 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		
Tear strength	23°C	DIN ISO 34-1	kN/m	≥8	lbf/inch	≥45
Specific gravity	23°C	ISO 1183	kg/m ³	1225	g/cm ³	1,22
Rebound Elasticity		DIN53 512	%	38		
Abrasion	23°C	DIN 53 516	mm ³			
Compression set	*	ISO 815	%	≤14		
Compression set	**	ISO 815	%	≤22		
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

FDA approved