

DMH 342 MVQ FDA white Mechanical, Physical and Thermal Properties

Vinyl methyl silicone rubber

properties	condition	standard	unit	unit	unit
colour					
hardness	23°C	ISO 868	Shore A	85 ± 5	Shore A 85 ± 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	% ≥ 100
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 16,4	lbf/inch ≥ 90
spec. gravity	23°C	ISO 1183	kg/m ³	1470	g/cm ³ 1,47
rebound elasticity	23°C	DIN 53 512	%	52	% 52
abrasion	23°C	DIN 53 516	mm ³		mm ³
compression set	*	ISO 815	%	≤ 10	% ≤ 10
compression set	**	ISO 815	%	≤ 30	% ≤ 30
compression set	***	ISO 815	%		%
minimum service temperature			°C	-60	°F -76
maximum service temperature			°C	200	°F 392
temp. max water/steam			°C	110	°F 230
temp. max hot air, short			°C	300	°F 572

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 175°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

Foodstuff approval: FDA compliant in its active substances to § 177.2600, CFR 21

" Rubber Articles Intended for Repeated Use "

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

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