

## DMH 342 MVQ FDA Ethylene propylene diene rubber

### Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit
colour				white	white
hardness	23°C/3 sek.	ISO 868	Shore A	85 ± 5	85 ± 5
hardness	23°C/15sek.	ISO 868	Shore A	84 ± 5	84 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 5	≥ 725
tensile strength	23°C	DIN 53 504	MPa	≥ 7	≥ 1015
elongation at break	23°C	DIN 53 504	%	≥ 100	≥ 100
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 16,4	≥ 90
spec. gravity	23°C	ISO 1183	kg/m <sup>3</sup>	1470	1,47
rebound elasticity	23°C	DIN 53 512	%	52	52
abrasion	23°C	DIN 53 516	mm <sup>3</sup>		
compression set	*	ISO 815	%	≤ 10	≤ 10
compression set	**	ISO 815	%	≤ 30	≤ 30
compression set	***	ISO 815	%	0	0
minimum service temperature			°C	-60	-76
maximum service temperature			°C	200	392
temp. max water/steam			°C	110	230
temp. max hot air, short			°C	300	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 it's active substances to § 177.2600, CFR 21

" Rubber Articles Intended for Repeated Use "

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH GmbH

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