

DMH Dichtungs- und Maschinenhandels GmbH

Industriepark West 11
A-8772 Traboch AUSTRIA

DMH FPM/Viton white Fluoro Rubber **Mechanical, Physical and Thermal Properties**

properties	condition	standard	unit	unit	unit
colour				white	white
hardness	23°C	ISO 868	Shore A	80 ± 5	Shore A 80 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 5	psi ≥ 725
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi ≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 170	% ≥ 170
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 4	lbf/inch ≥ 22
spec. gravity	23°C	ISO 1183	kg/m ³	2360	g/cm ³ 2,36
rebound elasticity	23°C	DIN 53 512	%	7	% 7
abrasion	23°C	DIN 53 516	mm ³		mm ³
compression set	*	ISO 815	%	≤ 13	% ≤ 13
compression set	**	ISO 815	%	≤	% ≤
compression set	***	ISO 815	%	≤	% ≤
minimum service temperature			°C	-10	°F 14
maximum service temperature			°C	210	°F 410
temp. max water/steam			°C		°F
temp. max hot air			°C	280 short	°F 536 short

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 175°C 25% def.

Chemical Properties

Copolymer, based on fluoro

Resistant to: fats, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons

Not resistant to: glycols, ketones, most fluids containing amines, water/steam

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

Foodstuff approval:

FDA compliant in it's active substances to:

- the Positive List for water-based foods under the Section 177.2600, CFR 21, "Rubber Articles Intended For Repeated Use", of the Food and Drug Administration (FDA), USA
- the Positive List for fatty foods (including milk and cooking oil), under the Section 177.2600, § 21 CFR "Rubber Articles Intended For Repeated Use", of the Food and Drug Administration (FDA), USA.