

DMH 360 TFE/P AFLAS® Fluoro Rubber (FEPM)

Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit
colour				black	black
hardness	23°C/3 sec.	ISO 868	Shore A	83 ± 5	Shore A 83 ± 5
hardness	23°C/15 sec.	ISO 868	Shore A	80 ± 5	Shore A 80 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 7	psi ≥ 1015
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi ≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 110	% ≥ 110
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 6	lbf/inch ≥ 35
spec. gravity	23°C	ISO 1183	kg/m ³	1730	g/cm ³ 1,73
rebound elasticity	23°C	DIN 53 512	%	10	% 10
abrasion	23°C	DIN 53 516	mm ³	230	mm ³ 230
compression set	*	ISO 815	%	40	% 40
compression set	**	ISO 815	%		%
compression set	***	ISO 815	%	30	% 30
minimum service temperature			°C	-5	°F 23
maximum service temperature			°C	200	°F 392
temp. max water/steam			°C	170	°F 338
temp. max hot air			°C	230	°F 446

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 175°C 25% def.

Chemical Properties

Copolymer, based on fluoro

Resistant to: water, steam, greases, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons, alcohols

Not resistant to: halogenes, ketones and most fluids containing amines

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH GmbH

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