

DMH 359 FPM FDA MDx Fluoro Rubber Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	blue	unit	blue
colour				blue		blue
hardness	23°C/3 sec.	ISO 868	Shore A	80 ± 5	Shore A	80 ± 5
hardness	23°C/15 sec.	ISO 868	Shore A	76 ± 5	Shore A	76 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 4	psi	≥ 580
tensile strength	23°C	DIN 53 504	MPa	≥ 7	psi	≥ 1015
elongation at break	23°C	DIN 53 504	%	≥ 150	%	≥ 150
tear strength	23°C	DIN ISO 34-1	kN/m		lbf/inch	
spec. gravity	23°C	ISO 1183	kg/m ³	2590	g/cm ³	2,59
rebound elasticity	23°C	DIN 53 512	%	6,2	%	6,2
abrasion	23°C	DIN 53 516	mm ³	288	mm ³	288
compression set	*	ISO 815	%	≤ 12	%	≤ 12
compression set	**	ISO 815	%	≤ 15	%	≤ 15
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-30	°F	-22
maximum service temperature			°C	200	°F	392
temp. max water/steam			°C		°F	
temp. max hot air			°C	225	°F	437

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 175°C 25% def.

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revision: 04-2019

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