

DMH 339 EPDM FDA MDx Ethylene propylene diene rubber Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit	unit
colour				blue		blue
hardness	23°C/3 sec.	ISO 868	Shore A	81 ± 5	Shore A	81 ± 5
hardness	23°C/15 sec.	ISO 868	Shore A	81 ± 5	Shore A	81 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 6	psi	≥ 870
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi	≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 130	%	≥ 130
tear strength	23°C	DIN ISO 34-1	kN/m		lbf/inch	
spec. gravity	23°C	ISO 1183	kg/m ³	1300	g/cm ³	1,3
rebound elasticity	23°C	DIN 53 512	%	56,7	%	56,7
abrasion	23°C	DIN 53 516	mm ³	272	mm ³	272
compression set	*	ISO 815	%	≤ 15	%	≤ 15
compression set	**	ISO 815	%	≤ 17	%	≤ 17
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-40	°F	-40
maximum service temperature			°C	135	°F	275
temp. max water/steam			°C		°F	
temp. max hot air, short			°C		°F	

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 150°C 25% def.

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