

# DMH 317 H-NBR 73

Mechanical, Physical and Thermal Properties

Highly saturated nitrile butadiene rubber

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C /3 sek.	ISO 868	Shore A	73 ± 5	Shore A	73 ± 5
hardness	23°C /15 sek.	ISO 868	Shore A	73 ± 5	Shore A	73 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 5	psi	≥ 725
tensile strength	23°C	DIN 53 504	MPa	≥ 22	psi	≥ 3191
elongation at break	23°C	DIN 53 504	%	≥ 225	%	≥ 225
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 4	lbf/inch	≥ 22
spec. gravity	23°C	ISO 1183	kg/m <sup>3</sup>	1170	g/cm <sup>3</sup>	1,17
rebound elasticity	23°C	DIN 53 512	%	49	%	49
abrasion	23°C	DIN 53 516	mm <sup>3</sup>	72	mm <sup>3</sup>	72
compression set	*	ISO 815	%	≤ 9	%	≤ 9
compression set	**	ISO 815	%	≤ 12	%	≤ 12
compression set	***	ISO 815	%	≤ 22	%	≤ 22
minimum service temperature			°C	-20	°F	-4
maximum service temperature			°C	150	°F	302
temp. max water/steam			°C		°F	
temp. max hot air			°C	180	°F	356

\* 24h 70°C 25% def. \*\* 24h 100°C 25% def. \*\*\* 24h 150°C 25% def.

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Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

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