

DMH 105 PU MDx

Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit	
colour				blue	blue	
hardness	23°C	ISO 868	Shore A	93 ± 2	Shore A	93 ± 2
hardness	23°C/3 sec.	ISO 868	Shore D	40 ± 3	Shore D	40 ± 3
hardness	23°C/15 sec.	ISO 868	Shore A	92 ± 2	Shore A	92 ± 2
modulus 100%	23°C	DIN 53 504	MPa	≥ 9	psi	≥ 1305
modulus 300 %	23°C	DIN 53 504	MPa	≥ 20	psi	≥ 2901
tensile strength	23°C	DIN 53 504	MPa	≥ 50	psi	≥ 7252
elongation at break	23°C	DIN 53 504	%	≥ 550	%	≥ 550
tear strength	23°C	DIN ISO 34-1	kN/m		lbf/inch	
spec. gravity	23°C	ISO 1183	kg/m ³	1320	g/cm ³	1,32
abrasion	23°C	DIN 53 516	mm ³	52	mm ³	52
compression set	*	ISO 815	%	≤ 32	%	≤ 32
compression set	**	ISO 815	%		%	
minimum service temperature			°C	-40	°F	-40
maximum service temperature			°C	90	°F	194

* 24h 70°C 25% def.

** 24h 100°C 25% def.

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