

DMH 331 EPDM KTW Ethylene propylene diene rubber

Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit
colour				black	black
hardness	23°C	ISO 868	Shore A	85 ± 5	85 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 8	≥ 1160
tensile strength	23°C	DIN 53 504	MPa	≥ 9	≥ 1305
elongation at break	23°C	DIN 53 504	%	120	120
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 9	≥ 51
spec. gravity	23°C	ISO 1183	kg/m ³	1230	1,23
rebound elasticity	23°C	DIN 53 512	%	37	37
abrasion	23°C	DIN 53 516	mm ³	140	140
compression set	*	ISO 815	%	≤ 9	≤ 9
compression set	**	ISO 815	%	≤ 14	≤ 14
compression set	***	ISO 815	%		
minimum service temperature			°C	-45	-49
maximum service temperature			°C	130	266
temp. max water/steam			°C	130	266
temp. max hot air			°C	150	302

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 150°C 25% def.

Chemical Properties

Copolymer, based on ethylene, propylene and diene

Resistant to: (hot) water, acids, bases, ketones, lyes, brake fluids based on polyglycols

Not resistant to: aliphatic, aromatic and chlorinated hydrocarbons, greases and fuels

Foodstuff approval: comlies in composition to the KTW recommendation 1.3.13

Maximum recommended service temperature (KTW applications): 90°C

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH GmbH

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