DMH
SOLUTIONS FOR SEALS

DMH 353 FPM ED

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C/3 sek.	ISO 868	Shore A	85 ± 5	Shore A	85 ± 5
hardness	23°C/15 sek	ISO 868	Shore A	83 ± 5	Shore A	83 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 6	psi	≥ 870
tensile strength	23°C	DIN 53 504	MPa	≥ 10	psi	≥ 1450
elongation at break	23°C	DIN 53 504	%	≥ 190	%	≥ 190
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 20	lbf/inch	≥ 114
spec. gravity	23°C	ISO 1183	kg/m³	1860	g/cm³	1,86
rebound elasticity	23°C	DIN 53 512	%	11	%	11
abrasion	23°C	DIN 53 516	mm³	175	mm³	175
compression set	*	ISO 815	%	≤ 30	%	≤ 30
compression set	**	ISO 815	%	≤ 35	%	≤ 35
compression set	***	ISO 815	%	≤ 45	%	≤ 45
minimum service temperature			°C	-20	°F	-4
maximum service temperature			°C	220	°F	428
temp. max water/steam			°C		°F	
temp. max hot air, short			°C	300	°F	572

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

Chemical Properties

Ter-polymer, based on fluorine
Resistant to: fats, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons
Not resistant to: glycols, ketones, most fluids containing amines, water/steam

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Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

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