

## DMH 350 FPM Fluoro Rubber Mechanical, Physical and Thermal Properties

properties	condition	standard	unit		unit	
colour				<b>brown</b>		<b>brown</b>
hardness	<b>23°C/3 sec.</b>	ISO 868	Shore A	<b>82 ± 5</b>	Shore A	<b>82 ± 5</b>
hardness	<b>23°C/15 sec.</b>	ISO 868	Shore A	<b>78 ± 5</b>	Shore A	<b>78 ± 5</b>
modulus 100%	<b>23°C</b>	DIN 53 504	MPa	<b>≥ 6</b>	psi	<b>≥ 870</b>
tensile strength	<b>23°C</b>	DIN 53 504	MPa	<b>≥ 9</b>	psi	<b>≥ 1305</b>
elongation at break	<b>23°C</b>	DIN 53 504	%	<b>≥ 200</b>	%	<b>≥ 200</b>
tear strength	<b>23°C</b>	DIN ISO 34-1	kN/m	<b>≥ 20</b>	lbf/inch	<b>≥ 114</b>
spec. gravity	<b>23°C</b>	ISO 1183	kg/m <sup>3</sup>	<b>2530</b>	g/cm <sup>3</sup>	<b>2,53</b>
rebound elasticity	<b>23°C</b>	DIN 53 512	%	<b>7</b>	%	<b>7</b>
abrasion	<b>23°C</b>	DIN 53 516	mm <sup>3</sup>	<b>175</b>	mm <sup>3</sup>	<b>175</b>
compression set	*	ISO 815	%	<b>≤ 17</b>	%	<b>≤ 17</b>
compression set	**	ISO 815	%	<b>≤ 24</b>	%	<b>≤ 24</b>
compression set	***	ISO 815	%	<b>≤ 26</b>	%	<b>≤ 26</b>
minimum service temperature			°C	<b>-20</b>	°F	<b>-4</b>
maximum service temperature			°C	<b>220</b>	°F	<b>428</b>
temp. max water/steam			°C		°F	
temp. max hot air			°C	<b>300 short</b>	°F	<b>572 short</b>

\* 24h 70°C 25% def.

\*\* 24h 100°C 25% def.

\*\*\* 24h 175°C 25% def.

### Chemical Properties

Copolymer, based on fluoro

*Resistant to: fats, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons*

*Not resistant to: glycols, ketones, most fluids containing amines, water/steam*

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

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