

DMH 351 FPM FDA

Mechanical, Physical and Thermal Properties

Fluoro Rubber

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				brown		brown
hardness	23°C /3 sek.	ISO 868	Shore A	80 ± 5	Shore A	80 ± 5
hardness	23°C /15 sek.	ISO 868	Shore A	77 ± 5	Shore A	77 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 6	psi	≥ 870
tensile strength	23°C	DIN 53 504	MPa	≥ 8	psi	≥ 1160
elongation at break	23°C	DIN 53 504	%	≥ 150	%	≥ 150
tear strength	23°C	DIN ISO 34-1	kN/m		lbf/inch	
spec. gravity	23°C	ISO 1183	kg/m ³	2400	g/cm ³	2,40
rebound elasticity	23°C	DIN 53 512	%	7	%	7
abrasion	23°C	DIN 53 516	mm ³	220	mm ³	220
compression set	*	ISO 815	%	≤ 7	%	≤ 7
compression set	**	ISO 815	%	≤ 9	%	≤ 9
compression set	***	ISO 815	%	≤ 14	%	≤ 14
minimum service temperature			°C	-20	°F	-4
maximum service temperature			°C	220	°F	428
temp. max water/steam			°C		°F	
temp. max hot air			°C	300	°F	572

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

Chemical Properties

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

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

Foodstuff approval	<p>FDA compliant in it's active substances to:</p> <ul style="list-style-type: none"> the Positive List for water-based foods under the Section 177.2600, CFR 21, "Rubber Articles Intended For Repeated Use", of the Food and Drug Administration (FDA), USA the Positive List for fatty foods (including milk and cooking oil), under the Section 177.2600, § 21 CFR "Rubber Articles Intended For Repeated Use", of the Food and Drug Administration (FDA), USA.
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Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

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