

MATERIAL DATASHEET

DMH 355 FPM FDA white

Mechanical, Physical and Thermal Properties

Fluoro Rubber

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				white		white
hardness	23°C/3 sek.	ISO 868	Shore A	80 ± 5	Shore A	80 ± 5
hardness		ISO 868	Shore A		Shore A	
modulus 100%	23°C	DIN 53 504	MPa	≥ 5	psi	≥ 725
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi	≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 170	%	≥ 170
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 4	lbf/inch	≥ 22
spec. gravity	23°C	ISO 1183	kg/m³	2360	g/cm³	2,36
rebound elasticity	23°C	DIN 53 512	%	7	%	7
abrasion		DIN 53 516	mm³		mm³	
compression set	*	ISO 815	%	≤ 13	%	≤ 13
compression set		ISO 815	%		%	
compression set		ISO 815	%		%	
minimum service temperature			°C	-10	°F	14
maximum service temperature			°C	210	°F	410
temp. max water/steam			°C		°F	
temp. max hot air, short			°C	280 kurzfristig	°F	536 short

* 24h 70°C 25% def. ** 24h 100°C 25% def. *** 24h 150°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 and water/steam

Foodstuff approval	FDA compliant in it's active substances to: - 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

DMH

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