

FPM FDA

Mechanical, Physical and Thermal Properties

Fluoro Rubber

properties	condition	standard	unit		unit	
colour				blue		blue
hardness	23°C/3 sec.	ISO 868	Shore A	80 ± 5	Shore A	80 ± 5
hardness	23°C/15 sec.	ISO 868	Shore A	76 ± 5	Shore A	76 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 4	psi	≥ 580
tensile strength	23°C	DIN 53 504	MPa	≥ 7	psi	≥ 1015
elongation at break	23°C	DIN 53 504	%	≥ 180	%	≥ 180
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 41	lbf/inch	≥ 234
spec. gravity	23°C	ISO 1183	kg/m ³	2530	g/cm ³	2,53
rebound elasticity	23°C	DIN 53 512	%	5	%	5
abrasion	23°C	DIN 53 516	mm ³	252	mm ³	252
compression set	*	ISO 815	%	≤ 6	%	≤ 6
compression set	**	ISO 815	%	≤ 8	%	≤ 8
compression set	***	ISO 815	%		%	
minimum service temperature			°C	-17	°F	1,4
maximum service temperature			°C	200	°F	392
temp. max water/steam			°C		°F	
temp. max hot air			°C		°F	

* 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 and water/steam

Detailed information concerning chemical resistance see Chemical Resistance Guide

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