

V05 - FPM black

Fluoro Rubber

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C/3 sek.	ISO 868	Shore A	73 ± 5	Shore A	73 ± 5
hardness	23°C/15 sek	ISO 868	Shore A	71 ± 5	Shore A	71 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 3	psi	≥ 435
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi	≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 250	%	≥ 250
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 5	lbf/inch	≥ 28
spec. gravity	23°C	ISO 1183	kg/m ³	2160	g/cm ³	2,16
rebound elasticity	23°C	DIN 53 512	%	8	%	8
abrasion	23°C	DIN 53 516	mm ³	216	mm ³	216
compression set	*	ISO 815	%	≤13	%	≤13
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compression set		ISO 815	%		%	
minimum service temperature			°C	-20	°F	-4
maximum service temperature			°C	210	°F	410
temp. max water/steam			°C		°F	
temp. max hot air, short			°C	280	°F	536

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