

V04 - FKM nero

Fluoro Rubber

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C /3 sek.	ISO 868	Shore A	85 ± 5	Shore A	85 ± 5
hardness	23°C /15 sek.	ISO 868	Shore A	83 ± 5	Shore A	83 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 7	psi	≥ 1015
tensile strength	23°C	DIN 53 504	MPa	≥ 9	psi	≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 130	%	≥ 130
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 7	lbf/inch	≥ 39
spec. gravity	23°C	ISO 1183	kg/m ³	1870	g/cm ³	1,87
rebound elasticity	23°C	DIN 53 512	%	9	%	9
abrasion	23°C	DIN 53 516	mm ³	206	mm ³	206
compression set	*	ISO 815	%	≤ 13	%	≤ 13
compression set	**	ISO 815	%	≤ 15	%	≤ 15
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 short	°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, water/steam

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