

V09 - TFE/P

Fluoro Rubber (FEPM)

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				black		black
hardness	23°C/3 sek.	ISO 868	Shore A	83 ± 5	Shore A	83 ± 5
hardness	23°C/15 sek	ISO 868	Shore A	80 ± 5	Shore A	80 ± 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	%	≥ 110	%	≥ 110
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 6	lbf/inch	≥ 35
spec. gravity	23°C	ISO 1183	kg/m ³	1610	g/cm ³	1,61
rebound elasticity	23°C	DIN 53 512	%	10	%	10
abrasion	23°C	DIN 53 516	mm ³	277	mm ³	277
compression set	*	ISO 815	%	≤ 35	%	≤ 35
compression set		ISO 815	%		%	
compression set	***	ISO 815	%		%	
minimum service temperature			°C	0	°F	32
maximum service temperature			°C	200	°F	392
temp. max water/steam			°C	170	°F	338
temp. max hot air, short			°C	230	°F	446

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

Chemical Properties

Copolymer, based on fluoro

Resistant to: water, steam, greases, crude oil, mineral oil, gasoline, aliphatic and aromatic hydrocarbons, alcohols

Not resistant to: halogenes, ketones and most fluids containing amines