

Viton® (FKM)



MECHANICAL	Standard	Value	
Rubber compound		FKM	
Density	ASTM D397	1.95 +/-0.05	g/cm3
Hardness	ASTM D2240	70° +/-5	Shore A
Tensile strength	ASTM D412	7	Mpa
Elongation at break	ASTM D412	≥ 300	%
Tear resistance	ASTM D624	20	kg/cm
Compression set (70° C/24hrs /25% set)	ASTM D395	35	%
TEMPERATURE			
Working temperature		-15 ⁰ C to +220 ⁰ C	
HEAT AGEING (72hrs at 150°C)			
	ASTM D573		
Δ Hardness		+5 (max)	Pts
Δ Tensile strength after		+10 / -10	%
Δ Elongation at break after		+15 / -15	%
Volume Swell: 72hrs at 150°C in:			
	ASTM D471		
IRM Oil No. 1		-6	%
IRM Oil No. 2		-1	%
IRM Oil No. 3		5	%
CHEMICAL RESISTANCE			
	ASTM D 1149		
Diluted acids and bases		Excellent	
Concentrated acids and basis		Excellent	
Ozone		Excellent	
Oils and hydrocarbons		Very Good	
Solvents		Very Good	