



**COMMERICAL
VITON ASTM D2000**



Corporate Headquarters
4015 Casilio Parkway
Clarence, New York 14031
Ph: 716-759-2222 • Fax 716-759-6425



Canadian Division
5511 Steeles Ave West • Unit 5
North York, Ontario M9L 1S7
Ph: 416-741-0750 • Fax: 416-741-0230

Material: VI751017(FKM 75 BLACK –DUPONT POLYMER)
Specification: ASTM D2000 M2HK810 A1-10 B38 EF31 EO78 Z1~Z3

Test Report

Section of Spec.	Physical Property	Required	Result	ASTM Method
Z1	Original Properties			
	Hardness, Shore A	75 ± 5	76	D2240
	Tensile strength, MPa (psi), min.	1450	1885	D412
	Ultimate elongation,% , min.	150	139	D412
	Specific Gravity	Report	1.863	D297
A1-10	Heat Resistance 70 hrs at 250 °C			
	Hardness change Shore A durometer	+ 10 max	+ 2	D573
	Tensile strength, change %	- 25 max	- 11	
	Ultimate elongation change %	- 25 max	+ 1	
B38	Compression Set max % 22hrs @ 200°C Z2			
	% of original deflection, max.	20	15	D395 Method B
EF31	Fluid Resistance, Fuel C 70hrs at 23°C (73°F)			
	Hardness change, pts. Shore A	± 5	-4	D471
	Tensile strength change, % max	-25	-13	
	Ultimate elongation change, % max	-20	+1	
	Volume change, %	0 to 10	+3.6	
EO78	Fluid Resistance Fluid No. 101 70hrs at 200°C (392°F)			
	Hardness change, pts. Shore A	-15 to +5	-7	D471
	Tensile strength change, % max	-40	-13	
	Ultimate elongation change, % max	-20	-13	
	Volume change, %	0 to +15	8	
Z3	Low Temperature Property TR-10 °C		-15	

NOTE: that the above test results are based on test slabs/buttons, the results on actual parts are different.