



Pressure Seals, Inc.

Phone: (877)-PSI-SEAL Toll Free
Thousands of Seals, O-Rings, and U-Cups
World-Class Service since 1976!



Descriptions: FKM 228-75 KV is a black fluoroelastomer polymer designed to meet or exceed AMS, military and ASTM/SAE specifications for extruded profiles used in the manufacture of high-performance O-rings, gaskets, and various sealing components.

Cure: Press: 10 minutes @ 177°C (350°F) Oven: 12 hours @ 232°C (450°F)

Type of Test	Method	AMS3216F Specs	AMS D-2000 SAE J-200 Specs	AMS 7280 Specs	AMS 7276 Specs	MILR 83248 Specs	Test Result
Hardness	ASTM D-2240	70-80	70-80	70-80	70-80	70-80	77
Tensile Str PSI	ASTM D-412	1600 min	1500 min	1600 min	1400 min	1600	2224
Elongation %	ASTM D-412	125 min	150 min	125 min	125 min	125 min	211
100% Modulus%	ASTM D-412						1000
Spec Gravity	ASTM D-297		1.84 +/- .02				1.84
Compr Set % 22 hrs/23°C	ASTM D-395	15 max	15 max	15 max		15 max	9
Compr Set % 336 hrs/200°C	ASTM D-395	45 max		55 max	40 max	45 max	33.8
Heat Resistance 70 hrs/250°C Hardness Change Tensile Str Change Elongation Change	ASTM D-573		plus 10 max minus 25 max minus 25 max	0 to 10 minus 20 max minus 20 max	0 to 5 minus 20 max minus 20 max		plus 1 plus 3 0
Fluid Resistance 70 hrs/23°C Hardness Change Tensile Str Change Elong Change % Vol Change %	ASTM D-471		minus 5 to plus 5 minus 25 max minus 20 max 0 to plus 10	minus 5 to plus 5 minus 15 max minus 15 max zero to plus 10	minus 5 to plus 5 minus 15 max minus 15 max 0 to plus 5		minus 1 minus 5 plus 5 plus 3
Low Temp Resistance TR 10 Point Celcius Max	ASTM D-1329	minus 15°C		minus 15°C	minus 15°C	minus 15°C	minus 22°C

Pressure Seals Inc. 81 Commerce Way, South Windsor, CT 06074

Phone: (877)-PSI-SEAL Toll Free, In CT: (860) 282-9100, Fax: (860) 282-9001