



**MARCO COMPOUND # SVV1000**  
**Black, 75 Durometer, FKM**  
**Spliced and Vulcanized**

<b>Description</b>	Low compression set Viton 'A' O Ring Grade.
<b>Specification:</b>	ASTM D 2000 M2HK 710 B37 B38 C12 Copolymer with 66% fluorine content. Cure system is Bisphenol.

<b>Application</b>	This material has excellent resistance to oils, fuels, lubricants, most mineral acids, aliphatic and aromatic hydrocarbons.
--------------------	-----------------------------------------------------------------------------------------------------------------------------

Low temperature service limit -4F (-20 C).
Upper temperature continuous service limit 400F (+204 C).

**Physical Properties**

**Original**

Specific Gravity	ASTM D1817	2.32
Durometer shore A (slab)	ASTM D2240	79
Elongation % (Dumbbell)	ASTM D412	233
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1672 (11.52)
Modulus @ 100% %	ASTM D945	7.2
Compression set % 22h @ 347F (175C) (slab)	ASTM D395B	4.6
22h @ 400F (200C)		7.0
Low temperature TR-10 °F (C) *	ASTM D1329	1.4 (-17)

\* nominal value based on a typical 75 shore vulcanizate

**Heat Ageing 70h @ 482F (250C) ASTM D573**

Durometer change points shore A	+4
Elongation change %	-34
Tensile strength change Psi (Mpa)	+537 (+3.7)
Weight loss grams	0.02

**Fluid Immersion Oil No3 70h @ 302F (150C) ASTM D 471**

Volume change %	+4.56
Durometer change points shore A	0.5
Elongation change %	-6.5
Tensile strength change Psi (Mpa)	+68 (+0.47)

**Fluid Immersion Fuel C 70h @ 302F (23C) ASTM D471**

Volume change %	+3.0
Durometer change points shore A	-1
Elongation change %	-3
Tensile strength change Psi (Mpa)	-32

<b>Ozone Resistance 70h @ 40C (50pphm)</b>	ASTM D1171	Pass
--------------------------------------------	------------	------

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.