



## V9MG & V9MY

*For Your Extreme Downhole Needs*

The range of oil and gas-related applications that elastomeric products encounter is continuously growing. As demand grows, seals need to withstand extreme temperatures, abrasive media, tremendous pressures, and hostile chemical environments.

Our V9MG and V9MY fluorocarbon (FKM) compounds are formulated with a Viton™ polymer. These compounds are an ideal solution for the increasing requirements of the oil and gas industry. Both compounds can handle high temperature applications and harsh downhole environments. Our V9MY compound has been tested in accordance with NACE TM0187 for sour gas.

V9MG and V9MY provide similar performance when compared with hydrogenated nitrile compounds; however, they possess improved high-temperature capabilities. Compounds formulated with Viton™ polymers can handle harsh applications while maintaining performance capabilities.

### V9MG and V9MY Advantages

- Remarkable performance in high-temperature applications
- Good resistance to petroleum oils and gases
- Increased wear properties
- Superior chemical resistance
- Improved extrusion resistance
- Good compression set

Original Physical Properties	Standards	V9MG*	V9MY*
<b>Hardness, Shore A</b>	D2240	88	88
<b>Tensile Strength, psi</b>	D412	2480	2274
<b>Elongation, %</b>	D412	128	153
<b>Modulus @ 100%, psi</b>	D412	1948	1677
<b>Specific Gravity, g/cm<sup>3</sup></b>	D297	2.02	2.01
<b>General Temperature Range, °C (°F)</b>	-	-18 to 200 (0 to 392)	-25 to 200 (-13 to 392)

*\*The above information is correct based on our knowledge at the date of its publication. The temperature range listed is a general guideline, and final suitability will depend on various application conditions. To ensure this material meets customers' final requirements and safety demands, we recommend customers conduct their own testing.*



V9MG and V9MY are used in various oil and gas applications, including:

- Drilling
- Completions
- Pumps
- Workovers
- Compressors
- Valves

Our V9MG & V9MY compounds were first introduced to the industry through our loaded U-cup offering. As they gained popularity, usage of these compounds expanded into product lines such as O-rings, back-up rings, wipers, D-ring seals, T-Seals, and custom moulded products.

These compounds have and will continue to raise the bar in downhole tool seal performance and longevity. For more information, contact our team of professionals at:

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