



V717 Fluorocarbon

Meeting Your Low Temperature Requirements

V717 is one of Hi-Tech Seals' low temperature fluorocarbon (FKM) compounds. It is formulated with Viton™ GLT polymer to thrive in the freezing environments our customer's equipment encounter. Our V717 has a general temperature range of -40°C to 200°C (-40°F to 392°F).

This compound demonstrates remarkable resilience to a broad range of chemicals, including hot water and steam. Its low compression set makes it ideal for both temperature and pressure cycling



Original Physical Properties	Standards	Values*
Hardness, Shore A	D2240	76
Tensile Strength, psi (MPa)	D412	2976 (20.52)
Elongation, %	D412	261
Modulus @ 100%, psi (MPa)	D412	782 (5.39)
Specific Gravity, g/cm ³	-	1.84
Compression Set, 22 hrs @ 200°C, %	D395 Method B	15.4
Low Temperature Brittleness Test, 3 min @ -40°C	D2137 Method A	Pass
Low Temperature Retraction Test (TR-10), °C	D1329	-30.2

environments. It has a long pedigree of delivering a superior sealing performance in some of the most challenging downhole applications.

V717 Advantages:

- Enhanced low temperature capabilities
- Low gas permeability
- Outstanding mechanical properties
- Exceptional resistance to petroleum, oil, and gas
- Resistant to a broad range of chemicals, including hot water and steam
- Great resistance in corrosive environments
- Superior performance in pressures and temperature cycling applications

V717 is used in critical applications in numerous markets:

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

Our V717 is ideal for O-rings and custom moulded sealing products. For more information on this and other Hi-Tech Seals compounds contact us at engineering@hitechseals.com.

**This 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.*

