



Overview

VT80GR00 is Canyon's standard 80 shore A durometer, green FKM Type A. This is an extremely popular, cost-effective commodity material. Other FKM types are also available: A, B, F, GF, GLT, GFLT, ULT, ETP. Compare to Parker V1164-75, V1476-75, and V1475-75.

Features & Benefits

- Great heat resistance & high temp stability
- Excellent chemical resistance
- Excellent resistance to weathering and aging

Service Temperature

- -26°C to 225°C (-15°F to 437°F)

Specification

- ASTM D2000 M2HK810 A1-10 B38 EF31

Test Data

Table 1. Physical Properties

| Test | Requirements | Results |
|-----------------------------|--------------|-----------|
| Color | Green | Green |
| Hardness, Shore A | 80+/-5 | 79 |
| Tensile Strength, psi (MPa) | 1450 min | 1740 (12) |
| Elongation | 150% min | 175% |



Table 2. A1-10 - Heat Aging - 70 hrs at 250°C

| Test (Change) | Requirements | Results |
|---------------------|--------------|---------|
| Hardness, Shore A | +10 max | +3 |
| Tensile Strength, % | -25 max | -10 |
| Elongation, % | -25 max | -11 |

Table 3. B38 - Compression Set - 22 hrs at 175°C

| Test (Change) | Requirements | Results |
|------------------|--------------|---------|
| Permanent Set, % | 50 max | 21 |

Table 4. EF31 - Fuel C Resistance - 70 hrs at 23°C

| Test (Change) | Requirements | Results |
|---------------------|--------------|---------|
| Hardness, Shore A | -5 to +5 | -2 |
| Tensile Strength, % | -25 max | -10 |
| Elongation, % | -20 max | -8 |
| Volume, % | 0 to +10 | +3 |

VT80GR00 is now available on the Canyon Components [online store!](#)

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)