

Overview

Canrez® CP90BK03 is Canyon's AED FFKM offering near universal chemical resistance and thermal resistance at a low cost. Compare it to Kalrez 3018.

CP90BK03 is AED tested to NORSOCK M-710 and is an excellent choice for demanding Oil and Gas applications.

If higher temperature AED performance is necessary, see our Canrez® CP90BK01 rated for 310°C (590°F).

Features & Benefits

- Tested to NORSOCK M-710
- Near universal chemical resistance
- High Temperature Resistance
- Low Compression Set
- Cost Effective

Recommended Applications

- Oil & Gas
- Chemical Processing
- Aerospace

Service Temperature

- -10°C to 240°C (14°F to 464°F)
- Excursions down to -15°C (5°F)
- Excursions up to 270°C (518°F)



Test Data

Table 1. Physical Properties

| | |
|-------------------------------------|-------------|
| Color | Black |
| Hardness, Shore A | 90 |
| Tensile Strength, psi (MPa) | 3250 (22.4) |
| Elongation | 157% |
| Specific Gravity, g/cm ³ | 1.97 |

Table 2. Compression Set

| | |
|----------------|-----|
| 24hrs at 175°C | 33% |
|----------------|-----|

Table 3. Heat Aging - 70 hrs at 200°C

| | |
|-------------------------------|-----|
| Hardness, Shore A | +1 |
| Tensile Strength Change, % | +2 |
| Ultimate Elongation Change, % | +11 |

Anti-Explosive Decompression

Table 4. NORSOCK M-710

| | |
|----------------------------------|--|
| Test Gas | 90/10 mol % CH ₄ /CO ₂ |
| Test Temperature, °C | 100 |
| Test Pressure, bar | 150 |
| Test Decompression Rate, bar/min | 19.4 |
| NORSOCK Test Rating | 0000 |
| Results | PASS |

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