



## Overview

Canrez® CP90BK91 is Canyon's ultra low temperature, high durometer FFKM offering near universal chemical resistance and excellent low-temperature performance at a competitive cost. Compare it to Kalrez® 0090, and Kalrez® 0040.

CP90BK91 has a service temperature range of -46°C to 240°C and withstands short excursions outside that range.

## Features & Benefits

- Near universal chemical resistance
- Ultra Low temperature resistance
- Anti-Explosive Decompression
- NORSOK M-710 & API-6A Sour Gas

## Recommended Applications

- Ultra Low temperature valves & pumps
- Chemical Processing
- Low temperature oil & gas

## Service Temperature

- -46°C to 240°C (-51°F to 464°F)

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



## Test Data

**Table 1. Physical Properties**

Color	Black
Hardness, Shore A	90
Tensile Strength, psi (MPa)	2639 (18.2)
Elongation	120%
100% Modulus, psi (MPa)	2465 (17)
Specific Gravity, g/cm <sup>3</sup>	1.92
TR-10 Temp, °C	-30
Tg Temp, °C	-32

**Table 2. Compression Set**

70hrs at 200°C	22%
----------------	-----

**Table 3. API 6A – H<sub>2</sub>S, Hydrocarbon Oil, Water – 160 hrs at 177°C at 1000 psi**

Hardness, Shore A	-6
Tensile Strength Change, %	+24
Ultimate Elongation Change, %	+15
Volume Change, %	+4.6
API 6A Test Result	PASSED

**Table 4. Steam Aging – 168 hrs at 220°C**

Volume Change, %	+1
------------------	----

