



## Overview

Canrez® CP80BK11 is Canyons 80 shore A, high temp FFKM material offering near universal chemical resistance and excellent high-temperature resistance at a low cost. Compare it to Kalrez 4079, and 7075.

CP80BK11 has a service temperature range of -22°C to 325°C and withstands short excursions outside that range.

## Features & Benefits

- Near universal chemical resistance
- High Temperature Resistance
- Low Compression Set
- Cost Effective

## Recommended Applications

- Semiconductor Applications
- Chemical Processing
- Solvents, MEK, DMF, Acetone
- Oil & Gas Applications
- Esters, Ethers, Ketones, Aldehydes, Xylene

## Service Temperature

- -22°C to 325°C (-8°F to 617°F)



## Test Data

Table 1. Physical Properties

Color	Black
Hardness, Shore A	80
Tensile Strength, psi (MPa)	2204 (15.2)
Modulus @ 100%, psi (MPa)	1520 (10.5)
Elongation	170%
Specific Gravity, g/cm <sup>3</sup>	2.01

Table 2. Compression Set – ASTM D 395-18 B

70 hrs @ 250°C	26
70 hrs @ 275°C	29
72 hrs @ 300°C	30
70 hrs @ 204°C	23
168 hrs @ 204°C	33
336 hrs @ 204°C	35
672 hrs @ 204°C	45

Table 3. Chemical Resistance

Solvents	Excellent
Hydrochloric Acids	Excellent
Nitric Acids	Excellent
Sulfuric Acids	Excellent
Carboxylic Acids	Excellent
Ammonia	Excellent
Sodium Hydroxide	Excellent
Ethylene Diamine	Acceptable
Water	Excellent
Steam	Excellent