



Overview

Canrez® CP80BK78 is Canyon's low temperature FFKM offering near universal chemical resistance and excellent low-temperature performance at a competitive cost. Compare it to Kalrez® 0040, and Chemraz® 564.

CP80BK78 has a service temperature range of -32°C to 250°C and withstands short excursions outside that range.

Features & Benefits

- Near universal chemical resistance
- Low temperature resistance
- Low outgassing
- Cost effective

Recommended Applications

- Low temperature valves & pumps
- Chemical Processing
- Oil & gas

Service Temperature

- -32°C to 250°C (-26°F to 482°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	80
Tensile Strength, psi (MPa)	2132 (14.7)
Elongation	220%
100% Modulus, psi (MPa)	827 (5.7)
Specific Gravity, g/cm ³	1.98
TR-10 Temp, °C	-18
Tg Temp, °C	-28

Table 2. Compression Set

70hrs at 200°C	23%
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Table 3. Heat Aging – 168 hrs at 200°C

Hardness, Shore A	+2
Tensile Strength Change, %	-5
Ultimate Elongation Change, %	-2

Table 4. Steam Aging – 168 hrs at 175°C

Hardness, Shore A	-3
Volume Change, %	+2

Table 5. Sulfuric Acid – 70 hrs at 60°C

Hardness, Shore A	-1
Volume Change, %	+1