



Overview

Canrez® CP90BK00 is a 90A, general purpose FFKM offering excellent chemical resistance at an extremely affordable cost relative to other perfluoroelastomers.

CP90BK00 has been designed for the chemical process industry for use in Methanol, MTBE, Acids, Bases, Amines, and more.

Features & Benefits

- Affordable
- Near universal chemical resistance
- High Durometer
- High Strength
- Resistance to Explosive Decompression

Recommended Applications

- Valves, Pumps, Mechanical Seals
- Semiconductor
- Chemical Processing
- Oil & Gas

Service Temperature

-4°C to 230°C (20°F to 445°F)



Test Data

Table 1. Physical Properties

Color	Black
Hardness, Shore A	90
Tensile Strength, psi (MPa)	3000 (21)
Elongation	92%

Table 2. Compression Set

70hrs at 200°C	25%
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Table 3. Aging Volume Swell

H2SO4, 70hrs at 60°C	+3%
MEK, 720hrs at 150°C	+4.3%
Fuel C, 504hrs at 40°C	+8.6%
Nitric Acid, 72hrs at 80°C	6%

Table 4. Heat Aging – 70 hrs at 275°C

Hardness, Shore A	-1.5
Tensile Strength Change, %	-22
Ultimate Elongation Change, %	+18

Table 5. 98% H2SO4 – 70 hrs at 60°C

Hardness, Shore A	-1
Volume Change, %	+3

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