CP90BK31 Datasheet

Black Ultra High Temp Perfluoroelastomer 90A

Overview

Canrez® CP90BK31 is Canyon's ultra-high temperature resistant, 90 shore A FFKM. Withstanding temperatures up to 325°C (617°F), CP90BK31 is one of the most thermally stable elastomeric materials available. It is also nearly universally chemically resistant. Compare to Kalrez 7075.

CP90BK31 has a service temperature range of -10°C to 325°C and can handle excursions above that range. Not recommended for high temperature steam environments.

Features & Benefits

- Ultra-high temperature resistance
- High pressure stability and improved extrusion resistance
- Near universal chemical resistance
- Low compression set

Recommended Applications

- Semiconductor
- Chemical Processing
- Aerospace
- Liquid Chromatography Service



Service Temperature

- -10°C to 325°C (14°F to 617°F)

Test Data

Table 1. Physical Properties	
Color	Black
Hardness, Shore A	90
Tensile Strength, psi (MPa)	1943 (13.4)
Elongation	55%

CP90BK31 is now available on the Canyon Components online store.

Looking for specific chemical compatibilities or desire more material information? Please Contact Us!

Table 2. Compression Set	
70hrs at 200°C	11.1%
70hrs at 290°C	28.3%

The information provided in this data sheet is based on test results and our combined expertise. This data sheet is intended to serve only as a reference and is not considered a guarantee.

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