# DuPont™ Kalrez® 3018

Legacy High Hardness General Purpose

**Technical Information - Rev. 1, July 2019**

## Product Description

DuPont™ Kalrez® 3018 perfluoroelastomer parts are a carbon black filled product similar to Kalrez® 1050LF, except with higher hardness/modulus. This product is good in hot water/steam and offers excellent high pressure extrusion resistance. It is generally used in oil field and process industry applications where these properties, coupled with good amine and general chemical resistance, are required.

| **Typical Physical Properties[1]** | |
|---|---|
| Color | Black |
| Hardness[2], Shore A | 91 |
| 100% Modulus[3], MPa (psi) | 16.88 (2448) |
| Tensile Strength at Break[3], MPa (psi) | 21.70 (3148) |
| Elongation at Break[3], % | 125 |
| Compression Set[4], % | |
| 70 hr at 204 °C (400 °F) | 22 |
| Maximum Application Temperature[5], °C (°F) | 288 (550) |
| Lowest Application Temperature[5], °C (°F) | -7.9 (17.8) |

[1] Not to be used for specifications
[2] ASTM D2240 (Pellet test specimens)
[3] ASTM D412 (Dumbbell test specimens)
[4] ASTM D395B, (Pellet test specimens)
[5] DuPont proprietary test method; performance will vary with seal design and application specifics

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