



DuPont™ Kalrez® 3065

For Packers and "V"- Rings

Technical Information - Rev. 4, July 2019

Product Description

DuPont™ Kalrez® 3065 is a highly-filled product containing carbon black and fiber reinforcement, designed to function without extrusion under extreme pressure. It has good all-round chemical resistance and excellent resistance to sour oil and amines. Kalrez® 3065 has an upper service temperature of 288 °C (550 °F).

The mechanical properties and chemical resistance of Kalrez® 3065 make it the best choice for many oil and gas well environments. In these applications, it is normally used in the form of V-rings and other custom parts rather than O-rings.

The physical properties of Kalrez® 3065 are as follows:

Typical Physical Properties¹

Color	Black
Hardness ² , Shore A	90
100% Modulus ³ , MPa (psi)	N/A
Tensile Strength at Break ³ , MPa (psi)	24.10 (3495)
Elongation at Break ³ , %	17
Compression Set ⁴ , % 70 hr at 204 °C (400 °F)	28
Maximum Service Temperature ⁵ , °C (°F)	288 (550)

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



Chemical Resistance

DuPont™ Kalrez® 3065

Aromatic/Aliphatic oils	+++
Acids	++
Alkalis	++
Alcohols	+++
Aldehydes	+++
Amines	+++
Ethers	+++
Esters	+++
Ketones	+++
Steam/Hot Water	++
Strong Oxidizers	0
Ethylene/Propylene Oxide	--

+++ = Excellent ++ = Very Good + = Good 0 = Marginal - = Poor -- = Not Recommended

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