



Kalrez[®] perfluoroelastomer
parts

From DuPont Performance Elastomers

Kalrez[®] 2085

General Description

Kalrez[®] 2085 is a carbon-black filled compound, available as V-rings and custom parts, that is well-suited for selected applications in the oil/gas industry.

Kalrez[®] 2085 has excellent rapid gas decompression compared to other FFKM products. Its high hardness and modulus provide resistance to extrusion in high-pressure applications. Kalrez[®] 2085 has excellent chemical resistance to drill fluids and sour gas conditions. It is also resistant to other commonly encountered media such as methanol and biocides. The recommended maximum continuous service temperature for Kalrez[®] 2085 is 210° C.

Typical Physical Properties¹

Hardness ²	Shore A + -5	92
100% Modulus	MPa/psi	15.2/2200
Tensile Strength at break ³	MPa/psi	17.2/2500
Elongation at Break ³	%	115
Compression Set ⁴ 70h at 204°C/400F	%	35

¹Not to be used for specifications

²ASTM D-2240

³ASTM D-412, 500 mm/min (20 in/min)

⁴ASTM D-395 B, pellets

Chemical Resistance to	Kalrez [®] 2085
Aromatic/Aliphatic oils	+++
Acids	+++
Alkalis	+++
Alcohols	+++
Aldehydes	+++
Amines	++
Ethers	+++
Esters	+++
Ketones	+++
Steam/Hot Water	++
Strong oxidizers	0
Ethylene/Propylene oxide	+++

+++ = Excellent ++ = Very Good 0 = Marginal

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