

PERFLUOROELASTOMER PARTS

Kalrez® Spectrum™ 7390 perfluoroelastomer parts is a versatile FFKM product based on a patented proprietary crosslinking system that can meet your 90 durometer (Shore A) FFKM specifications in numerous shapes and configurations where higher mechanical strength is needed. Kalrez® Spectrum™ 7390 parts are designed to reliably seal in the most demanding chemical and hot water/steam environments. Thermally stable up to 300 °C, it is an ideal fit for upstream and downstream applications such as: oilfield production/completion equipment, wireline and drilling tools, steam-assisted gravity drainage (SAGD), cyclic steam stimulation (CSS), mechanical seals, valves, compressors, and process instrumentation.

Product Information

Colour	Black
Maximum Service Temperature *	300°C (572°F)
Lowest Service Temperature *	-22°C (-8°F)

*Maximum and Lowest Service temperatures may vary with seal design and application specifics.

Typical mechanical properties

Shore A hardness	89	ASTM D 2240
Modulus at 100% elongation	21.3 MPa (3090 psi)	ASTM D 412
Tensile Strength	22.1 MPa (3210 psi)	ASTM D 412
Elongation at Break	101 %	ASTM D 412
Compression Set, 70 hours at 204°C (400°F), O-ring (AS568-214)	14 %	ASTM D 1414

Thermal Properties

Glass transition temperature, 10°C/min	-5.3°C (22°F)	ASTM D 3418
Linear Coefficient of Thermal Expansion	2.34E-04 /°C (1.30E-04 /°F)	ISO 11359-1/-2
Retraction temperature, TR-10	-4.2°C (24°F)	ASTM D 1329

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