

# Kalrez® Spectrum™ 7375

## PERFLUOROELASTOMER PARTS



DuPont™ Kalrez® 7375 perfluoroelastomer parts are an innovative FFKM product based on a patented crosslinking system for chemical process industry applications where broad chemical resistance and water/steam resistance are needed at elevated temperatures. Kalrez® Spectrum™ 7375 parts exhibit excellent compression set resistance, outstanding physical property retention, and good mechanical strength properties. A maximum application temperature of 300°C (572°F) is suggested.

### Product Information

Colour	Black
Maximum Service Temperature *	300°C (572°F)
Lowest Service Temperature *	-20°C (-4°F)

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

### Typical mechanical properties

Shore A hardness	79	ASTM D 2240
Modulus at 100% elongation	10.2 MPa (1480 psi)	ASTM D 412
Tensile Strength	16.9 MPa (2450 psi)	ASTM D 412
Elongation at Break	128 %	ASTM D 412
Compression Set, 70 hours at 204°C (400°F), O-ring (AS568-214)	9 %	ASTM D 1414

### Thermal Properties

Glass transition temperature, 10°C/min	-2.3°C (28°F)	ASTM D 3418
Linear Coefficient of Thermal Expansion	3.19E-04 /°C (1.77E-04 /°F)	ISO 11359-1/-2
Retraction temperature, TR-10	-0.3°C (31°F)	ASTM D 1329

### Other Properties

Density	2 g/cm <sup>3</sup>	ISO 1183
---------	---------------------	----------

The information set forth herein is furnished free of charge, is based on technical data that DuPont believes to be reliable, and represents typical values that fall within the normal range of properties. This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in other processes. It is intended for use by persons having technical skill, at their own discretion and risk. This information should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards and comply with applicable law. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative.

DuPont's sole warranty is that our products will meet our standard sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT. DUPONT DISCLAIMS LIABILITY FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2021 DuPont. All rights reserved.