

# DuPont™ Kalrez® LS205

## Perfluoroelastomer Parts

Technical Information — March 2018

### Product Description

DuPont™ Kalrez® LS205 perfluoroelastomer parts are a white product for use in food handling and pharmaceutical applications where FDA and USP <87> & <88> Class VI @ 121°C compliance is required. Kalrez® LS205 parts provide superior chemical resistance and low extractables in demanding applications. This product is well suited for custom parts and other non O-ring applications. A maximum application temperature of 225 °C (437 °F) is suggested.

### Typical Physical Properties<sup>1</sup>

Color	White
Maximum Application Temperature <sup>2</sup> , °C (°F)	225 (437)
Durometer, Shore A <sup>3</sup>	74
100% Modulus <sup>4</sup> , MPa (psi)	6.42 (931)
Tensile Strength at Break <sup>4</sup> , MPa (psi)	20.34 (2951)
Elongation at Break <sup>4</sup> , %	185
Compression Set <sup>5</sup> , Pellet, 70 hr at 204 °C (400 °F)	20

<sup>1</sup> Not to be used for specification purposes

<sup>2</sup> DuPont proprietary test method

<sup>3</sup> ASTM D2240 (plied sheet test specimen)

<sup>4</sup> ASTM D412, 500 mm/min

<sup>5</sup> ASTM D395B

Visit us at [kalrez.dupont.com](http://kalrez.dupont.com) or [vespel.dupont.com](http://vespel.dupont.com)

Contact DuPont at the following regional locations:

**North America**  
800-222-8377

**Latin America**  
+0800 17 17 15

**Europe, Middle East, Africa**  
+41 22 717 51 11

**Greater China**  
+86-400-8851-888

**ASEAN**  
+65-6586-3688

**Japan**  
+81-3-5521-8484

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data 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. 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 in medical applications involving permanent implantation in the human body. For other medical applications, discuss with your DuPont customer service representative and read Medical Caution Statement

Copyright © 2012 DuPont. The DuPont Oval Logo, DuPont™, The miracles of science™, Kalrez®, and Vespel® are trademarks or registered trademarks of E. I. du Pont de Nemours and Company or its affiliates. All rights reserved.

(03/12) Reference No. KZE-A11018-00-C0418



*The miracles of science™*