

DuPont™ Kalrez® LS205

Perfluoroelastomer Parts

Technical Information — Preliminary Product Datasheet

Product Description

DuPont™ Kalrez® LS205 perfluoroelastomer parts are a white product for use in food handling and pharmaceutical applications where FDA 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 continuous service temperature of 225 °C (437 °F) is suggested.

Typical Physical Properties¹

Color	White
Maximum Application Temperature ² , °C (°F)	225 (437)
Durometer, Shore A ³	75
100% Modulus, MPa (psi)	7.57(1099.19)
Tensile Strength at Break ⁴ , MPa (psi)	21.11 (3062.31)
Elongation at Break ⁴ , %	170
Compression Set ⁵ , Pellet, 70 hr at 204 °C (400 °F)	21

¹ Not to be used for specification purposes

² DuPont proprietary test method

³ ASTM D2240 (plied sheet test specimen)

⁴ ASTM D412, 500 mm/min

⁵ ASTM D395B



The miracles of science™

Visit us at kalrez.dupont.com or 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 H-50103-3.

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-B1112



The miracles of science™