



## Kalrez® Product Datasheets

<b>Name:</b>	Kalrez® 3018
<b>Color:</b>	Black
<b>Maximum Application Temperature*:</b>	288°C (550°F)
<b>Maximum Application Pressure*:</b>	17.23 MPa (2498 psi)
<b>Durometer, Shore A:</b>	91
<b>100% Modulus:</b>	16.88 MPa (2448 psi)
<b>Elongation at Break, %:</b>	125
<b>Tensile Strength at Break:</b>	21.70 MPa (3148 psi)
<b>Compression Set: % (70 hours at 204°C (400°F))</b>	
<b>Pellet</b>	35
<b>Density, g/cc:</b>	2.02
<b>Tg:</b>	5.7°C (42°F)
<b>TR10:</b>	5°C (41°F)
<b>Brittle Point:</b>	-37°C (-35°F)
<b>Linear Coefficient of Thermal Expansion*, /°C (/°F):</b>	4.22e-04 (2.34e-04)
<b>Abrasion Resistance (volume loss, cubic mm):</b>	137.8
<b>Coefficient of Friction (to steel)</b>	
<b>Static:</b>	0.528
<b>Dynamic:</b>	0.31
<b>Dielectric Constant at 150°C &amp; 1 MHz:</b>	4.966
<b>Dissipation Factor at 150°C &amp; 1 MHz:</b>	0.01432

### Description

DuPont™ Kalrez® 3018 perfluoroelastomer parts are a carbon black filled product similar to Kalrez® 1050LF, except for higher hardness/modulus. This product is good in hot water/steam and offers excellent high pressure extrusion resistance. It is generally used in oil field and process industry applications where these properties, coupled with good amine and general chemical resistance, are required.

\* Maximum application temperature and pressure may vary with seal design and application specifics.

\*\* Properties are only shown where test data exists

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