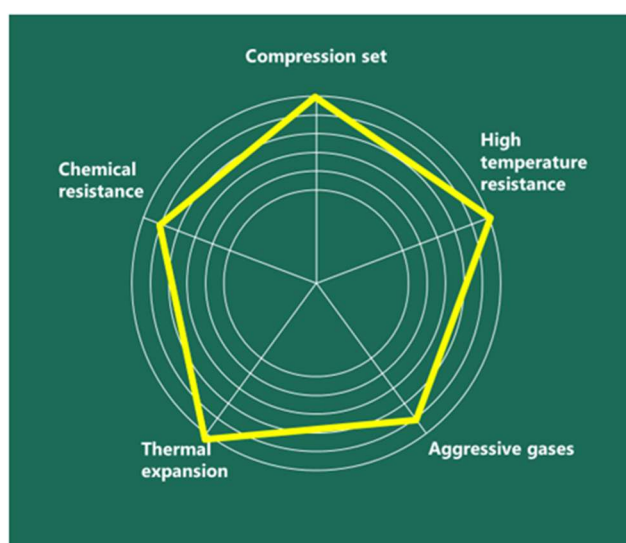


SEALREZ 4175SC

for thermal semiconductor processes

Sealrez compounds for semiconductor processes are developed to manufacture high quality O-rings and custom moulded parts including bonded gates. Ultraclean manufacturing takes place in ISO class 7 cleanrooms, whereas cleaning and packaging takes place in ISO class 5 cleanrooms.

Sealrez® 4175SC perfluorelastomer compounds in black color have been developed for harsh chemical and high temperature semiconductor processes. Sealrez® 4175SC compounds excel in thermal processes with low thermal expansion and low compression set.



| Physical Properties | Unit | Measured |
|--|-----------|-------------|
| Hardness ¹ | Shore-A | 73 |
| Tensile strength ² | MPa (psi) | 15,1 (2184) |
| Elongation at break ² | % | 150 |
| Modulus @ 100% ² | MPa (psi) | 5,70 (827) |
| Compression set 70hrs @ 300°C ³ | % | 32,5 |
| Minimum operating temperature | °C | -15 |
| Maximum operating temperature | °C | 300 |

¹ ASTM D2240

² ASTM D1414

³ ASTM D395B

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