
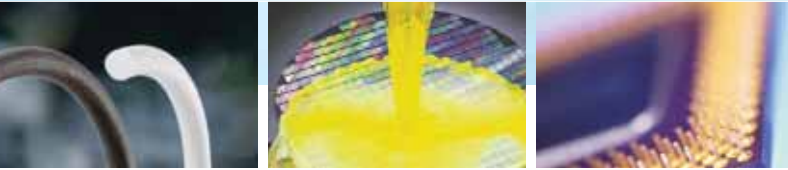


# Isolast<sup>®</sup> Fab Range<sup>™</sup> J9610



**Superior sealing  
for wet process applications**



**Your Partner for Sealing Technology**

## Isolast<sup>®</sup> Fab Range<sup>™</sup> J9610

The Isolast<sup>®</sup> Fab Range<sup>™</sup> offers high specification sealing compounds, exclusively formulated for the semiconductor industry. The special formulations help reduce downtime and improve production efficiency by extending seal life. These high-performance perfluoroelastomers are virtually inert and demonstrate almost universal chemical compatibility, giving real benefits and cost advantages in semiconductor applications.

Isolast<sup>®</sup> J9610 material grade is a high-performance perfluoroelastomer designed specifically for a wide range of wet processing applications in semiconductor environments with a continuous operating temperature up to 235 °C/455°F.

## Features:

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- Extremely low metal cation extractables
- Minimal anion impurities
- Low levels of extractable total organic carbon
- Highest levels of chemical resistance to acids, solvents and UPDI water
- Clean and contaminant-free sealing surfaces
- Superior long-term low compression set
- Available as standard and non-standard O-Rings, custom-molded designs and bonded products

## Applications:

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Isolast<sup>®</sup> J9610 is recommended for use at continuous operating temperatures up to 235 °C/455°F in:

- Wet etch
- Wet stripping
- Wet cleaning
- Plating
- Chemical mechanical planarization

# Isolast® Fab Range™

## J9610 Compound Data

<b>Compound No.:</b>		<b>J9610</b>		
<b>Elastomer base:</b>	DIN ISO 1629	<b>FFKM Ultra Pure</b>		
<b>Hardness:</b>	DIN 53 505	<b>75 +/- 5 Shore A</b>		
<b>Color:</b>		<b>black</b>		
<b>Specific gravity:</b>		DIN 53 479	g/cm <sup>3</sup>	1.94 ± 0.03
<b>Tensile strength:</b>		DIN 53 504	MPa N/mm <sup>2</sup> /psi	13.8 / 2,002
<b>Elongation at break:</b>		DIN 53 504	%	128
<b>Compression set:</b>	72 h / 200 °C / 392 °F	DIN ISO 815 Typ B	%	17
<b>Service temperature:</b>		DIN ISO 1629	°C/°F	-25 / +235 73 / +455

Material properties are average values resulting from tests, as specified, on standard test samples. The values are for guidance only. It is the responsibility of the user to test material for suitability within a specific application. Information is correct at time of publication.

### Trelleborg Sealing Solutions offers to the semiconductor industry:

- Quality levels to ISO 9001-2000 including 100% inspection and zero defects
- Wash and pack to class 100 standards
- Leading-edge in-house polymer development test capability
- Sealing solutions using our extensive design facilities, including material specific non-linear Finite Element Analysis (FEA)
- Comprehensive technical support and after-sales service through the global Trelleborg Sealing Solutions network

[www.tss.trelleborg.com](http://www.tss.trelleborg.com)

