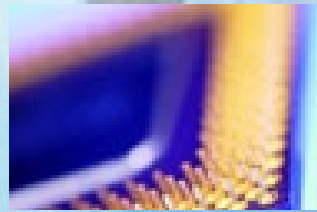
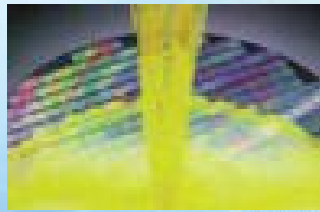




Isolast® Fab Range™ J9610

SUPERIOR SEALING FOR WET PROCESS APPLICATIONS



Isolast® Fab Range™ J9610

The Isolast® Fab Range™ 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® 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

- 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

Isolast® 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

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



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