



Isolast® Plus J9515 & J9516

SUPERIOR SEALING WITH FDA, USP CLASS VI AND SP 3-A COMPLIANCE



The Isolast® Plus J9515 & J9516

The Isolast® range of high specification perfluoroelastomer compounds has been developed to provide equipment manufacturers and end users with sealing solutions compatible with virtually all chemical media, over the widest temperature range possible. Unique Isolast® formulations give real benefits and cost advantages by providing optimum seal reliability and extending service life. Seal performance is further enhanced by superior hysteresis and compression set characteristics, which ensure high elasticity and dynamic recovery, minimizing risk of seal failure.

Isolast® Plus J9515 (black) and J9516 (white) material grades are high-performance perfluoroelastomers formulated for chemical compatibility in the widest range of media, including CIP and SIP media, acids and alkalis, organic and inorganic oxides, offering a continuous operating temperature range of -10°C to +250°C / -14°F to +482°F.

Specifically developed for food, pharmaceutical and biotechnology applications, Isolast® Plus J9515 & J9516 are totally compliant to:

- Food and Drug (FDA) administration regulations set out in references 21 CFR 177.2600 (e.f) and 21 CFR 177.2400 (d)
- United States Pharmacopoeia (USP) class VI
- SP 3-A Sanitary Standards for Multiple-Use Rubber Dairy Equipment, Number 18-03

Features

- Almost universal chemical compatibility
- Thermal stability from -10°C to +250°C / +14°F to +482°F
- Excellent long-term compression set characteristics
- Exceptional hysteresis properties
- Compliant to FDA, USP Class VI and SP 3-A sanitary standards
- Corresponds to biotechnology draft DIN EN 12462
- Available washed and packed to class 100 standards
- Available as standard and non-standard O-Rings, custom-molded designs and bonded products

Applications

- Pharmaceutical manufacturing
- Food and beverage production
- Biotechnology industries
- Medical equipment
- Cosmetics manufacturing

ISOLAST® PLUS J9515 & J9516 COMPOUND DATA

Compound Number			J9515	J9516
Elastomer base	DIN ISO 1629		FFKM	FFKM
Hardness	DIN 53 505		75 +/- 3 Shore A	75 +/- 5 Shore A
Color			black	white
Specific gravity	DIN 53 479	g/cm ³	2.03 ± -0.03	2.43 ± -0.03
Tensile strength	DIN 53 504	MPa N/mm ² /psi	11.7 / 1,697	11.9/1,726
Elongation at break	DIN 53 504	%	182	228
Compression set	72 h / 200 °C / 392°F DIN ISO 815 Typ B	%	16	30
Service temperature		°C / °F	-10 / +250 +14 / +482	-10 / +250 +14 / +482

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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