

Isolast® HT J8325

**Superior high temperature sealing
over a broad range of chemicals**



Your Partner for Sealing Technology

The Isolast® HT J8325

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® J8325 material grade is an advanced perfluoroelastomer compound with a continuous upper operating temperature of 325°C / 617°F. It is formulated to offer unrivalled thermal stability across a broad range of chemical media, while

retaining its superior physical properties.

Features:

- Thermal stability from -15°C to +325°C / +5°F to +617°F
- Compatibility across a broad range of chemical media
- Unrivalled long-term compression set performance
- Exceptional hysteresis properties
- Available as standard and non-standard O-Rings and custom-molded designs

Applications:

- Chemical processing
- Hydrocarbon processing
- Oil and Gas industry, offshore and onshore
- Aerospace industry
- Semiconductor fabrication
- Diesel engines
- Power generation

Isolast® HT

J8325 Compound Data

Compound No.:		J8325		
Elastomer base:	DIN ISO 1629	FFKM		
Hardness:	DIN 53 505	75 +/- 5 Shore A		
Color:		black		
Specific gravity:		DIN 53 479	g/cm ³	2.01 ± 0.03
Tensile strength:		DIN 53 504	MPa N/mm ²⁰ / psi	20 / 2,900
Elongation at break:		DIN 53 504	%	190
Compression set:	72 h / 200 °C / 392 °F	DIN ISO 815 Typ B	%	19
Service temperature:			°C / °F	-15 / +325 +5 / +617

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

