



Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product, and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such product.
02/2022

Sealing Solutions

evolast[®] N8FD, designed specifically for chemical process industry, made with FDA compliant elastomer.

evolast[®] N8FD has a high temperature capability and a low compression-set at continuous temperature up to **315°C**.

evolast[®] N8FD has a temperature range from **-15°C** to **+315°C**.

evolast[®] N8FD qualifications:

- according to FDA
- according to USP Class VI
- High temperature capability
- Low compression set
- Broad chemical resistance
- Outstanding hot water and steam resistance

Our evolast[®] N8FD is available for production of O-Rings (with diameters from **1 mm** up to **2000 mm**) and every shape of seal customer-designed.

Typical Properties

Physical properties

	test method	unit	typical value
Color			black
Specific Gravity	ASTM D1817	g/cm ³	2.12
Hardness	ASTM D2240	Shore A	82

Mechanical properties

	test method	unit	typical value
Compression set (70 hours, 200 °C)	ASTM D395 B/1	%	20
Elongation at break	ASTM D412	%	165
Tensile strength	ASTM D412	MPa	21.5

Thermal properties

	test method	unit	typical value
Service temperature range		°C	-15 to +315

Applications

Valves
Pumps
Mechanical seals
Biomedical equipment
Food equipment
Fermenters

