



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® B694, designed specifically for chemical process industry, made with FDA compliant elastomer. evolast® B694 provides superior chemical resistance and low contamination by extractable substances in pharmaceutical and food handling applications.

evolast® B694 is an excellent choice for use in aggressive chemicals, acids, bases, steam, amines, organic and inorganic media, methanol, TBA and MTBE, esters, ethers.

evolast® B694 has a temperature range from -20°C to +270°C.

evolast® B694 qualifications:

- High temperature capability
- FDA approved
- according to USP Class VI and 3A-Sanitary Standard
- Broad chemical resistance
- Excellent compression-set resistance

Our evolast® B694 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			white
Specific Gravity	ASTM D297	g/cm ³	2.4
Hardness	ASTM D2240	Shore A	60

Mechanical properties

	test method	unit	typical value
Compression set (70 hours, 200°C)	ASTM D395	%	23.5
Elongation at break	ASTM D1414	%	155
Tensile strength	ASTM D1414	MPa	11.5

Thermal properties

	test method	unit	typical value
Service temperature range		°C	-20 to +270

Applications

- Valves
- Pumps
- Mechanical seals
- Sprayer
- Biomedical equipment
- Food equipment
- Fermenters

