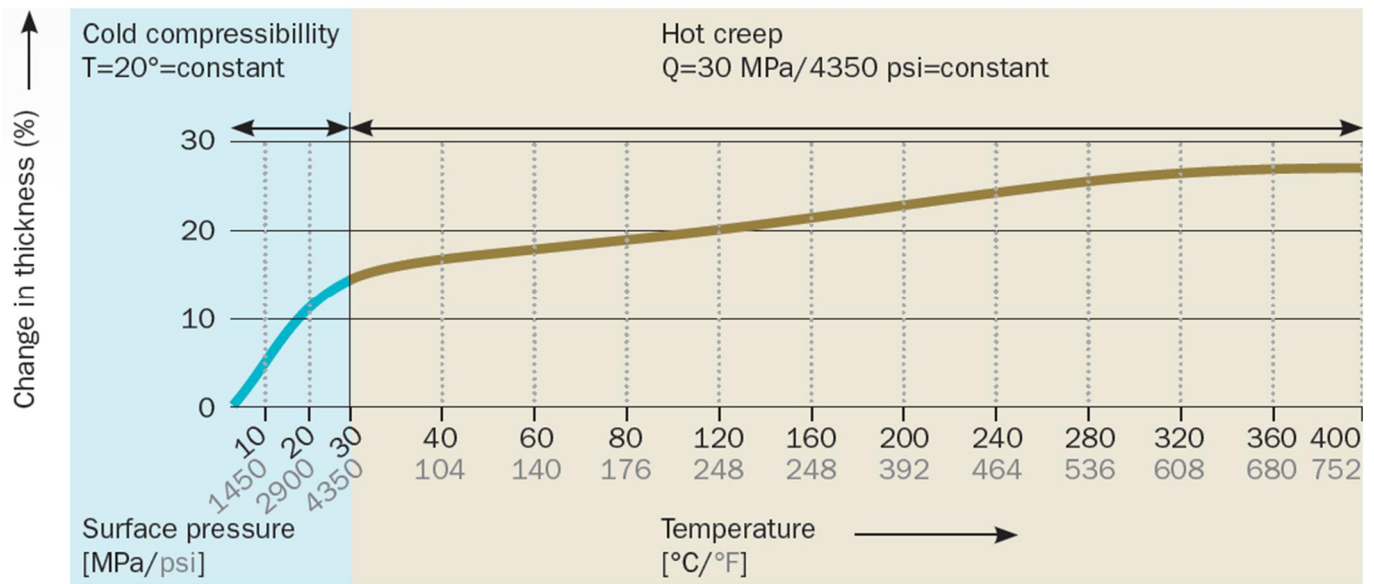


Temperature Test

Description of a Temperature Test Procedure



The purpose of the Temperature Test is to determine how the gasket deforms under certain conditions. It is a special test that represents what is effectively a “fingerprint” of key gasket properties and consists of two parts:

First, the gasket is compressed at room temperature up to a defined surface pressure. The curve in the graph indicates the adaptability of the gasket during installation.

In the second part of the test, the temperature is increased at a specified speed, while the surface pressure from the first step is held constant – the system is not allowed to “relax” as a result of gasket compression. The test significantly exceeds real-life operating conditions where the load on the gasket would be lower, thereby proving gasket performance.

Further Information

Other FlatSeal™ Guides deal with the following basic topics:

- FlatSeal™ Guide 1 – Fundamentals of Flat Gasket Technology
- FlatSeal™ Guide 2 – Choice of Sealing Material
- FlatSeal™ Guide 3 – Installation Instructions
- FlatSeal™ Guide 4 – Optimized Gasket Geometry
- FlatSeal™ Guide 5 – Lubrication of Bolts
- FlatSeal™ Guide 6 – Roughness of Sealing Surfaces
- FlatSeal™ Guide 7 – Service Life of Sealing Systems
- FlatSeal™ Guide 8 – Shelf Life of Sealing Materials
- FlatSeal™ Guide 9 – Tolerances Cut Parts
- FlatSeal™ Guide 10 – Temperature Test

