

## Technical Data Sheet

# Thermiculite® 894

Thermiculite® 894 is a flexible gasket / compression packing, manufactured with the proprietary Flexitallic Thermiculite® critical service sealing materials.

#### Service:

Thermiculite® 894 is made by over-knitting strips of Thermiculite foil with a fine (0.09 mm diameter) Inconel 600 wire and then braiding a number of those Thermiculite / Inconel strips to produce a square section sealing material available in continuous coil form.

Thermiculite® 894 is intended for high temperature and / or aggressive media applications where a flexible gasket / packing is required. Such applications include but not limited to oven door seals, very large diameter flanges and in the production of industrial fertilizers.

This material can also be used in conventional high temperature valve stem sealing systems for on-off or isolation valves. Alternatively, as the header rings either side of a conventional valve stem sealing stack

it can provide an oxidation barrier for the standard graphite components.

Maximum recommended temperature: 1050oC (1920oF)

pH range: 0 to 14

#### Availability:

The following square section material is available in coils:

5.0mm  
6.0mm - 6.5mm  
8.0mm  
9.5mm - 10.0mm  
12.0mm - 12.5mm  
15.0mm  
19.0mm

Standard coil lengths are 8m and 20m for small section sizes.

Rectangular cross-sections are possible; please ask about particular section sizes and coil length requirements.



Compression Packing



Certificate Number: 14352  
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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