

Data Sheet

P040 High Purity Graphite Packing with Inconel for High Temp Valves & Pumps

|                    |          |
|--------------------|----------|
| Data Sheet Type    | Final    |
| Material Reference | P040     |
| Polymer            | Graphite |
| Date Issued        | 01/06/26 |



Description

Manufactured from Pure Expanded Graphite containing minimum amounts of trace elements such as Sulphur & Chloride then reinforced with Inconel Wire.

| Specifications                          | Values          | Test Methods |
|---|-----------------|--------------|
| Highest Recommended Working Temperature | 500 °C          | None         |
| Inert Gas Operating Temp Range          | -200 to 1000 °C | None         |
| Maximum Linear Speed                    | 2 m/s           | None         |
| Maximum Valve Pressure                  | 350 bar         | None         |
| Oxidising Environment Temp Range        | -200 to 450 °C  | None         |
| PH Range                                | 0-14 PH Range   | None         |
| Steam Operating Temp Range              | -200 to 650 °C  | None         |

Purposes



Acid Resistance



Chemical Resistant



High Working Temperature



Low Working Temperature



Oil Resistance



Petrol Resistance



Steam Resistant

**Important Notes about this Material Data Sheet**

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.