

## Data Sheet

## J102 Aramid Jointing Material to BS7531 Grade X

|                    |          |
|--------------------|----------|
| Data Sheet Type    | Final    |
| Material Reference | J102     |
| Polymer            | Aramid   |
| Date Issued        | 18/05/24 |



## Description

A superior quality Grade X Jointing with excellent mechanical properties and a wide range of approvals including DIN-DVGW, WRAS, BAM & BS7531 Grade X

| Specifications                          | Values           | Test Methods |
|---|------------------|--------------|
| BAM Approved Pressure                   | 160 bar Maximum  | None         |
| BAM Approved Temperature                | 90 °C Maximum    | None         |
| BS7531 Grade                            | Grade X          | BS7531       |
| Compression                             | 9 % Maximum      | ASTM F36     |
| Density                                 | 1.75 g/cc        | None         |
| Gas Leakage                             | 1 cc/min Maximum | BS7531       |
| Highest Recommended Working Temperature | 400 °C           | None         |
| Recovery                                | 55 % Minimum     | ASTM D792    |
| Residual Stress(BS7531 300°C)           | 26 MPA Maximum   | BS7531       |
| Residual Stress(DIN52913)               | 32 MPA Maximum   | DIN 52913    |
| Steam Operating Temp Range              | 250 °C Maximum   | None         |
| Thickness Increase (ASTM Fuel B)        | 3 % Maximum      | None         |
| Thickness Increase (ASTM Oil 1)         | 1 % Maximum      | None         |
| Thickness Increase (IRM Oil 903)        | 2.5 % Maximum    | None         |

## Purposes



Acid Resistance


Chemical  
Resistant

High Working  
Temperature


Oil Resistance



Ozone Resistance


Potable Water  
Suitability



Sea Water  
Resistance

#### **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.