MacLellan
Polymers to Industry

Data Sheet	J103 Economy Aramid Fibre Jointing with a Nitrile Binder

Data Sheet Type	Final
Material Reference	J103
Polymer	Aramid
Date Issued	09/05/25

Description

A Low Cost Jointing material for Low-Tech applications including hot and cold water, low pressure steam, fuels, gases, oils and some chemicals. This material is WRAS Approved.

Specifications	Values	Test Methods
Compression	8 % Maximum	ASTM F36
Density	1.95 g/cc	None
Gas Leakage	1 cc/min Maximum	BS7531
Oil Swell ASTM 1	1 % Maximum	None
Oil Swell IRM901	2 % Maximum	None
Oil Swell IRM903	3 % Maximum	None
Recovery	50 %	ASTM F36
Residual Stress(BS7531 300°C)	17 MPA Maximum	BS7531
Residual Stress(DIN52913)	23 MPA Maximum	DIN 52913
Tensile Strength	11 MPA	ASTM F152

Purposes

Acid Resistance

Chemical Resistant

High Working Temperature

Oil 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.