

Data Sheet

J501 Mica-based Sheet Gasket Sheet Jointing

Data Sheet Type	Final
Material Reference	J501
Polymer	Mica
Date Issued	30/08/25



Description

J501 - Mica based Sheet Jointing material is designed for use in applications that require constant exposure to extreme temperatures.

Specifications	Values	Test Methods
Compression	25 % Maximum	ASTM F36
Density	1.9 g/cc	None
Gas Leakage	0.2 ml/min	BS7531
Highest Recommended Working Temperature	1000 °C	None
Ignition Loss @ 800c	5 %	None
Maximum Pressure	5 bar	None
Moisture Content	3 %	None
Recovery	35 %	ASTM F36
Residual Stress(BS7531 300°C)	29 MPA	BS7531
Residual Stress(DIN52913)	40 MPA	DIN 52913
Tensile Strength	20 MPA	None

Purposes



Acid Resistance



Chemical Resistant



Flame Retardent



High Working Temperature



Oil 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.