MacLellan
Polymers to Industry

Data Sheet	J201Red Silica Filled PTFE Jointing Sheet for use with Chemicals, Acids & Alkalis.

Data Sheet Type	Final
Material Reference	J201
Polymer	PTFE
Date Issued	13/06/26

Description

J201 is a universal grade of Silica filled PTFE suitable for many general applications. Suitable for use with strong Acids & Alkalis, solvents, fuels, water, steam and chlorine. The grade has very low gas permeability and excellent creep resitance.

Specifications	Values	Test Methods
Compression	7 % Maximum	ASTM F36
Creep Relaxation	23 %	ASTM F38
Density	2.2 g/cc	None
Gas Leakage	0.01 cc/min Maximum	BS7531
Highest Recommended Working Temperature	260 °C	None
Liquid Leakage	0.21 ml/hr Maximum	ASTM F37
Recovery	40 % Minimum	ASTM D792
Residual Stress(DIN52913)	32 MPA @175°C	DIN 52913
Tensile Strength	15 MPA Minimum	ASTM D412

Purposes

Acid Resistance

Chemical Resistant

Food Contact Suitability

Low Gas Permeability

Oil Resistance

Petrol Resistance

Water 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.