Data Sheet	P045 High Purity Graphite for High Temperature Valves & Pumps

Data Sheet Type	Final
Material Reference	P045
Polymer	Graphite
Date Issued	15/12/18

Description

Manufactured from Pure Expanded Graphite containing minimum amounts of trace elements such as Sulphur & Chloride.

Specifications	Values	Test Methods
Highest Recommended Working Temperature	500 °C	None
Maximum Linear Speed	2 m/s	None
Maximum Rotary Pressure	25 bar	None
Maximum Rotary Speed	25 m/s	None
Maximum Valve Pressure	300 bar	None
Oxidising Environment Temp Range	-200 to 450 °C	None
PH Range	0-14 PH Range	None
Steam Operating Temp Range	to 650 °C	None

Purposes


Acid Resistance


Chemical Resistant


High Working Temperature


Low Working Temperature


Oil Resistance


Petrol Resistance


Steam Resistant


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.