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B949 Product Data Sheet

B949 Composite Neoprene Rubber Faced Phenolic Paper SRBP

Material Details

Grade:	B949
Description:	Phenolic Paper. Neoprene Rubber Faced SRBP
Comments:	The B9 family of products are high performance composite sealing/insulating materials designed to meet specific needs, primarily in the Oil and Gas distribution industries. The products incorporate an SRBP or SRBF core with a chemically bonded Neoprene surface. Conventional materials can cause problems due to either with being too soft to withstand the compressive forces of the mating surfaces or too hard to form a satisfactory seal. The thickness of the sealing rubber face(s) on Attwater B9 laminates is kept to a minimum (typically 0.4mm). This combined with the high compressive strength of the core eliminate the compression effects normally associated with softer materials. This makes the product capable of withstanding compressive loads in excess of 30,000 psi The product acts as electrical insulation between the mating surfaces reducing electrolytic effects, which can lead to corrosion. Attwater also manufactures a complementary range of insulating bushes and washers to enable complete insulated flange joints to be assembled.
Body Colour:	Varies
Cover Colour:	Black Or Green
Finish:	Matt
Size:	1220 x 1220

Typical Applications

- Pipeline Insulation

General Properties

Property	Unit of measure	Typical Value
Density	g/cm3	1.35
Water Absorption	mg	0.5

¥ Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Electrical Properties

Property	Unit of measure	Typical Value
IR (24hrs Water Immersed)	G Ω	100
IR (Dry)	G Ω	100
Breakdown Voltage (Edge Step by Step)	kV	25

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	180
Compressive Strength (Flat 20°C)	MPa	350
Compressive Strength (Flat 80°C)	MPa	250

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	100
Thermal Rating Intermittent	°C	120

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user’s responsibility to ensure suitability for the intended end use.

Source: https://www.attwater.com/products/b949/