

SENTINEL®

DESCRIPTION

Sentinel® is James Walker's general purpose sheet jointing. It comprises compressed aramid fibres with nitrile rubber (NBR) binder. An anti-stick finish to both surfaces is supplied as standard.



PRIME FEATURES

- Replaces CAF for most industrial duties up to 400°C.
- Suitable for wide range of media.
- Offers outstanding performance for its class.

SPECIFICATION

- Exceeds the property requirements of BS7531 Grade Y.
- WRAS approved for use with hot and cold potable water up to 85°C.

PHYSICAL PROPERTIES

(Typical values for 1.5mm thick material)

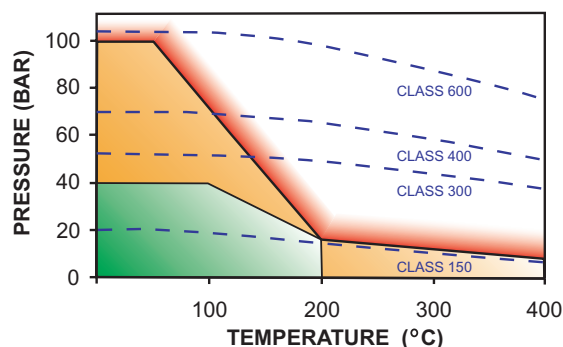
Density, Mg/m ³	1.6	
Transverse tensile strength, MPa	8.0	(ASTM F152)
Residual stress, MPa	25.0	(BS7531)
Compressibility, %	13.0	(BS7531)
Recovery, %	45.0	(ASTM F36J)
Gas permeability, ml/min	<1.0	(BS7531)
Leachable chloride ion content, ppm	<100	

FLUID IMMERSION PROPERTIES

ASTM oil 3, % thickness increase, 5h @ 150°C	5.0	(BS7531)
ASTM fuel B, % thickness increase, 5h @ RT	6.0	(ASTM F146)
Water, % thickness increase, 5h @ 100°C	9.0	(BS7531)

SERVICE CAPABILITY GRAPH

SENTINEL, up to and including 2mm thickness: maximum working pressure against temperature guidelines.



SERVICE CAPABILITY

For applications falling into the green zone, the product may normally be used without consultation. In the amber zone we recommend that our technical services team be contacted for confirmation of suitability. If the pressure/temperature combination is in the red zone then we must be consulted before the product is used. Class lines refer to ASME B16.5.

HOW SUPPLIED

Precision cut gaskets to any shape, size and quantity. In sheets 2.0m x 1.5m, 1.5m x 1.0m. Thicknesses: 0.5mm, 0.75mm, 1.0mm, 1.5mm, 2.0mm. Please note that 3.0mm is also available but is not recommended (see page 30 for advice on gasket use).