

## OAKENSTRONG® GASKET PAPER

Datasheet



OAKENSTRONG Gasket Paper is our premium range paper which has a cellulose fiber base, impregnated with a glue-glycerine composition and meets the needs for a high quality, general gasketing material.

Oakenstrong is recommended for low heat applications where high oil and fuel resistance is required.

For thicknesses in the range of 0.15mm. to 0.80mm the material is produced in a single pass. For thicknesses of 1.00mm or greater, the paper is laminated (using a gelatin based gule/adhesive) to give the desired thickness. For example 1.00mm is 2 x 0.50mm, and 3.20 is 4 x 0.80mm.

The lamination process takes place after the paper has been successfully impregnated: the paper is then trimmed to produce a finished width of 1000mm.  $\pm$  5mm.

With a high glycerine contents, Oakenstrong provides an efficient gasket paper which is able to seal against petrol, oil and water in a variety of applications including carburetors, fuel pumps, front plate, oil pump, oil filter, side cover, timing cover, thermostat, water pump, gearbox input shaft, exit housing, top cover, gearbox to clutch, axle cover, axle shaft and many others.

### Roll Description:

Material is supplied on rolls 1 meter wide wound on 70 mm. I. D. cores.

Width tolerance:

- 0.15-0.80mm: 1000 $\pm$  5mm

- 1.00-6.40mm: 1000 $\pm$  5mm

Thickness tolerances:  $\pm$  10% on nominal.

Material 1.00mm and over is laminated. For export orders the material is wrapped in polythene sleeves and packed in sturdy cardboard boxes suitable for sea-shipment.

### Characteristics

#### Advantages:

- Excellent oil and fuel resistance.
- Available in roll form over a range of thicknesses including: 0.15mm, 0.25mm, 0.40mm, 0.50mm, 0.80mm, 1.00mm, 1.20mm, 1.60mm, 2.00mm, 2.40mm, 3.20mm, 4.80mm, 6.40mm.

#### Limitations:

- Stored gaskets must be protected from wide changes of humidity and temperature to prevent dimensional change
- Not suitable for alkalis, acids, and steam
- Relatively low heat and chemical resistance compared with non-asbestos materials - limited uses in industrial markets

#### Manufactured to international specifications:

- ASTM F104 (F326929 - E21M6), previously identified as P3313B

#### Material specification:

- Colour: A green/grey and branded with the oak leaf design
- Maximum recommended service temperature: 120°C/250°F
- Recovery: 40% min.
- Tensile strength across grain: 13.79MN/m<sup>2</sup> minimum, 2000psi minimum.
- Fluid resistance after 22 hours at 21°C - 30°C (70-85°F):