

Ecomab® braided packing for use as a seal in ladles during the production of Aluminium

Application



During the production of Aluminium, a ladle is used to empty the furnace. This process requires a ladle in which a vacuum or overpressure occurs.

In order to create this vacuum or overpressure a packing is used as a seal. Ecomab® braided packing (made out of body soluble fibres) is an ideal alternative for ceramic fibres or high temperature Glass products.

Material

The Ecomab® braided packing is produced from various types of yarn and can be supplied in round, square or rectangular sections. Ecomab® braided packing is a high density, high strength product with low compressibility and is especially recommended for heavy duty applications.

Typical Physical Properties

Average density	550 - 600 kg/m ³
Colour	White/bluish
Basic Composition	Silica - Calcium
Continuous Use Limit	Reinforced with glass : 650°C Reinforced with metal wire : 1050°C
Melting Point	1260°C

Ecomab® textiles are unique, body soluble, high temperature textile products, which are temperature resistant up to 1050°C.

Ecomab® is classified in class "O" which means that no warning labelling and no special personal protection during processing is required. All Ecomab® products are available from stock and is custom-made in our own production facility in Temse (Belgium).



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Page 1 of 2

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Application Datasheet

Summary of advantages

Ecomab braided packing

- can be used as a sealing in ladles during the primary
- aluminium production;
- is used as a seal to create a vacuum or to create overpressure in the ladle.
- is highly suitable for the sealing of sections which are either pressurized or non-pressurized
- is heat resistant up to 1050°C
- is classified in class "O" which means that no warning labelling and no special personal protection during processing is required



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