



**WORLD
GASKET**TM
ellegi the **REAL** ones.
the **ONLY** ones.

Case history

Asbestos-free paper

In accordance with the new market demands, and responding to the increasingly extreme working conditions, we renewed our asbestos-free paper for the production of flat gaskets. We upgraded the raw material and worked on the physical and mechanical features of the product.

The initial targets were the following:

- To improve the resistance to compressibility and the sealing properties in contact with oil, fuel and water.
- To change from a low density to a medium density material.
- To improve the surface material of the asbestos-free paper.

Our solutions:

- A. The new material has improved in terms of resistance to compressibility, intensifying the sealing both at low and high pressures. It shows a better adaptability to the wear or irregular housing, in addition to a good flexibility that determines a wide range of potential usages and suitability in the application.
- B. The new material is characterised by a higher density that warrants an improvement in a minimal variation of volume in water, oil and fuels. For that reason, it is used in automotive applications, earth moving machines, small engines, sea engines, and compressors.
- C. The surface of the new product is treated with a coating system. That treatment can improve the resistance to water, mineral oils and fuels; moreover, it improves the anti-sticking property in terms of performance and repeatability.



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