



Introduction

SoliPaper™ LOWPAC is our industrial grade paper grade developed for large volume gaskets cutting in domestic appliances and automotive. SoliPaper™ LOWPAC is a spin-off based on the premium SoliPaper ULS®, but with a lower density and a slightly tighter thickness specification which make SoliPaper™ LOWPAC a more economical version which technically still outperforms most standard high temperature papers as result of our Generation III, Ultra Low Shot technology.

SoliPaper LOWPAC is manufactured from true Generation III ultra clean and fine SoliWool fiber. As a result SoliPaper LOWPAC has exceptionally low dust, high handling strength, better thermal insulating performance and retains its flexibility after compression.

SoliPaper LOWPAC is very flexible, and offers a high tensile strength thanks to the high fiber index. It is particularly suited to all applications requiring further processing (laminated composites, die-cutting, rolling, folding).

The organic binders burn out on the first firing at approximately 250°C.

Next to the SoliPaper in the low bio persistence grades (LBP) we also offer a standard range of RCF(-Zr) Papers from 1260 to 1430°C and special paper grades using PCW fibers up till 1600°C classification temperature.

All products in the SoliWool ULS® fiber product range, like the SoliPaper ULS, meet the requirements specified under NOTE Q of European Regulation 1272/2008. All SoliPaper ULS products are therefore exonerated from labelling requirements in Europe.

SoliPaper LOWPAC is only available in Jumbo size rolls which is ideal for large quantity die-cut gaskets minimizing cutting waste.

Type

Paper from low bio persistence (LBP) high temperature insulation fiber.

Temperature range

SoliPaper ULS LOWPAC has a classification temperature of 1200°C and is advised for maximum continuous use at 1100°C.

The maximum continuous use temperature provided on the website is a guideline and only applicable in a clean oxidizing atmosphere.

Typical applications

- Gaskets for domestic appliances and boilers
- Thermal insulation in automotive heat shields
- Non-ferrous molten metal handling
- General technical insulation of furnaces and technical installations

Benefits

- Low shot technology
- Excellent insulation performance
- High handling strength and low dust
- Economical solution for high volume gasket cutting
- Exonerated of carcinogenic classification under Note Q



Properties measured	Standard	Unit	SoliPaper™ LOWPAC
Grade			LBP
Colour			white
Classification temperature		°C	1200
Continuous use temperature		°C	1100
Density		kg/m3	150-170
Loss on ignition		wgt%	< 8
Tensile strength			
Thickness 2 to 3 mm		kPa	> 350
Thickness 3 to 6 mm		kPa	> 400
Permanent linear shrinkage	EN1094-7	%	
@1200°C			< 2
Thermal conductivity	ASTM C201	W/mK	
@ 200°C			0,05
@ 400°C			0,08
@ 600°C			0,11
@ 800°C			0,16
@ 1000°C			0,22
Chemical composition (after firing),	ISO12677	%	
SiO2			63-66
CaO			26-33
MgO			3-7
Other			< 0,8

Contact

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Availability

SoliPaper™ LOWPAC is standard supplied as palletized jumbo rolls and supplied with 4 rolls per pallet. Heist bands are provided in the roll for easy unloading. Please refer to the list below for dimensions of the jumbo rolls.

Length (mm)	Width (mm)	Thickness (mm)
180000	1200	2
120000	1200	3
90000	1200	4
72000	1200	5
60000	1200	6

Product range

SoliPaper LOWPAC is a spin-off of our standard SoliPaper ULS®, and part of an extensive product range supplied by Vulcor Insulation. Vulcor Insulation is supplying insulation solutions from cryogenic to high temperature applications. All products offered by Vulcor are manufactured in house or sourced from exclusive trusted 3rd party partners.

Technical support

Vulcor Insulation provides specifiers and customers with guidance on all aspects of the materials selection for their application, the installation and compliance with relevant regulations and performance standards.

For additional information about product performance or to identify the recommended product for your application, please contact the team at Vulcor Insulation.