

# Product Data Sheet



## Lapinus® 706K2-Roxul®1000

Mineral Fibre

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Lapinus® 706K2-Roxul®1000 is an uncleaned granulated mineral fibre with a medium flocksize (correlating to an estimated fibre length of approx. 3000 microns). The high fibre content allows a lower wool use in wet processes. The consistency of the flocksize gives a consistent drainage in wet processes.

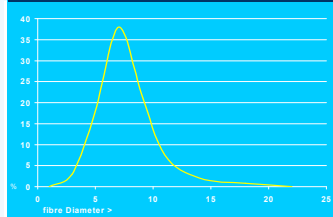
### Roxul®1000 chemistry =biosoluble chemistry

All Roxul®1000 products are worldwide exonerated from classification as a carcinogen.

### Chemical Analysis

	Min.	Max.
SiO <sub>2</sub>	38 %wt	43 %wt
Al <sub>2</sub> O <sub>3</sub>	18 %wt	23 %wt
CaO+MgO	23 %wt	28 %wt
FeO	4.5 %wt	8 %wt
K <sub>2</sub> O+Na <sub>2</sub> O		4.5 %wt
Others		6 %wt

### Typical average fibre diameter



### ADVANTAGES OF LAPINUS® 706K2-ROXUL®1000:

- Lapinus® 706K2-Roxul®1000 is consistent in terms of:
  - chemical composition
  - thermal properties
  - flocksize distribution
  - bulk and drainage properties
- Reliable supply, excellent availability, consistent quality (ISO 9001)

Parameter	Average/Tolerance	Testmethod												
Non-Fibrous Material*	<table border="1"> <thead> <tr> <th></th> <th>Norm.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>N &gt; 63 µm</td> <td>33.1%wt</td> <td>38.0%wt</td> </tr> <tr> <td>N &gt; 250 µm</td> <td>7.7%wt</td> <td>10.5%wt</td> </tr> <tr> <td>N &gt; 600 µm</td> <td>0.7%wt</td> <td>1.2%wt</td> </tr> </tbody> </table>		Norm.	Max.	N > 63 µm	33.1%wt	38.0%wt	N > 250 µm	7.7%wt	10.5%wt	N > 600 µm	0.7%wt	1.2%wt	TV 701
	Norm.	Max.												
N > 63 µm	33.1%wt	38.0%wt												
N > 250 µm	7.7%wt	10.5%wt												
N > 600 µm	0.7%wt	1.2%wt												
Ignition Loss	max. 0.3 %wt	TV 302												
Moisture Content	max. 0.1 %wt	TV 302												
Fibre diameter (mass wt. av.)	approx. 9.0 micron	TV 165												
Fibre diameter ( num. av.)	approx. 5.5 micron	TV 165												
Specific surface area	approx. 0.20 m <sup>2</sup> /g	TV 165												
Hardness	6 Moh													
Melting Point	> 1000 °C	Furnace, Visual												
Specific Density	2.75 ± 0.15 g/cm <sup>3</sup>													
Colour	Grey/Green	Visual												

\* Please note that the occurrence of large non-fibrous particles is inherent to the production process and these may be occasionally present in the product.

Author: E. Huynen (ADC)  
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ISO 9001 LF007.F08