

Product Data Sheet



Lapinus® 702N2–Roxul®1000

Mineral Fibre

lapinus@lapinusfibres.com
www.lapinusfibres.com

Lapinus® 702N2–Roxul®1000 is an uncleaned granulated mineral fibre with a large flocksize (estimated fibre length of approx. 4000 microns) and a high fibre content. The product shows very high bulking in wet processes and a good flow in dry processes, due to a higher amount of lubricant. The consistency of the flocksize gives a consistent drainage in wet processes.

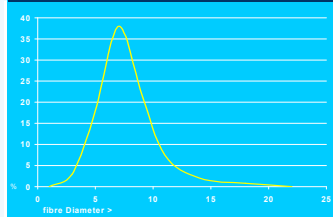
Roxul®1000 chemistry =biosoluble chemistry

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

Chemical Analysis

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

Typical average fibre diameter



ADVANTAGES OF LAPINUS® 702N2–ROXUL®1000:

- Lapinus® 702N2–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 > 63 µm</td> <td>33.1%wt</td> <td>38.0%wt</td> </tr> <tr> <td>N > 250 µm</td> <td>7.7%wt</td> <td>10.5%wt</td> </tr> <tr> <td>N > 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. 0.5 %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 ² /g | TV 165 | | | | | | | | | | | | |
| Hardness | 6 Moh | | | | | | | | | | | | | |
| Melting Point | > 1000 °C | Furnace, Visual | | | | | | | | | | | | |
| Specific Density | 2.75 ± 0.15 g/cm ³ | | | | | | | | | | | | | |
| 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