

Product Data Sheet



Rockbrake® RB295–Roxul® 1000

Engineered mineral fibre (Note Q) for application in friction materials

lapinus@lapinusfibres.com
www.lapinusfibres.com

Rockbrake® RB295–Roxul® 1000 is a quality engineered mineral fibre. Its short fibre length results in excellent dispersion properties during dry mixing, even when used in high fibre loads.

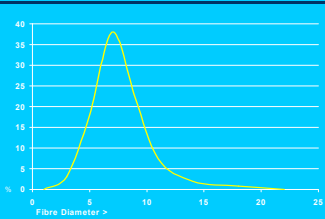
Roxul®1000 chemistry =biosoluble chemistry

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

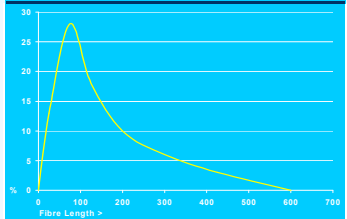
Chemical Analysis

| | 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



Typical average fibre length



ADVANTAGES OF ROCKBRAKE® RB295–ROXUL®1000:

- Rockbrake® RB295–Roxul®1000 is consistent in terms of:
 - chemical composition
 - shot content
 - fibre length

| Parameter | Average/Tolerance | Testmethod |
|-------------------------------|--|-----------------|
| Non-Fibrous Material | Norm. Max. N > 125 µm 3.0%wt 5.0%wt | TV 316 |
| Fibre Length | 125 ± 25 micron | TV 305 |
| 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 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 |

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