

Product Data Sheet



Rockseal® RS470–Roxul® 1000

High quality engineered mineral fibre (Note Q) for application in gasket materials

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Rockseal® RS470–Roxul®1000 is a premium quality engineered mineral fibre. It is a long fibre with low shotcontent, surface treated with a surfactant for excellent dispersion in water.

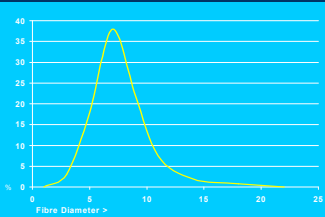
Roxul®1000 chemistry =biosoluble chemistry

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

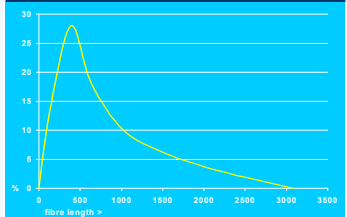
Chemical Analysis

	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



FIELD OF APPLICATION

- Rockseal® RS470–Roxul®1000 is designed for use in wet (paper) process. The inorganic fibres improve green strength and drainage properties of the paper.
- The extreme low shot level ensures a smooth surface of the paper. Incorporation of high levels of inorganic fibres improves heat resistance and dimensional stability of the paper.

Parameter	Average/Tolerance	Testmethod
Non-Fibrous Material	Norm. Max. N > 125 µm 0.1%wt 0.2%wt	TV 316
Fibre Length	650 ± 150 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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ISO 9001 LF007.F08