

Product Data Sheet



Rockseal® RS490ELS–Roxul® 1 000

Engineered mineral fibre for application in gaskets materials

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Rockseal® RS490ELS–Roxul® 1000 is an easy to disperse fibre with an Extreme Low Shot content.

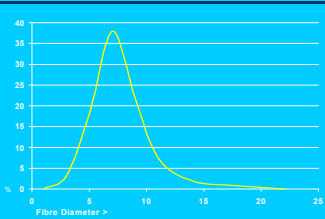
Roxul®1000 chemistry =biosoluble chemistry

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

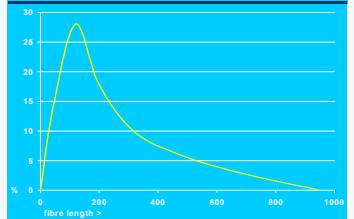
Chemical Analysis

	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® RS490ELS–Roxul® 1000 is especially designed for reinforcing thin rubber layers, high surface quality gasket materials or coatings.
- Rockseal® RS490ELS–Roxul® 1000 gives formulators the opportunity to incorporate high amounts of inorganic fibres resulting in improved temperature properties, better dimension stability and smooth surface.

Parameter	Average/Tolerance	Testmethod
Non-Fibrous Material	Norm. Max. N > 63 µm 0.2%wt 0.5%wt	TV 316
Fibre Length	200 ± 50 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

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