

# Product Data Sheet



## Rockseal® RS490ELS–Roxul® 1 000

Engineered mineral fibre (Note Q) 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.

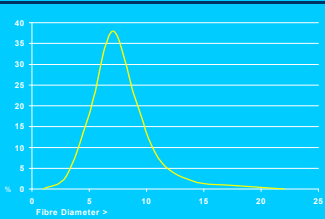
### Roxul®1000 chemistry =biosoluble chemistry

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

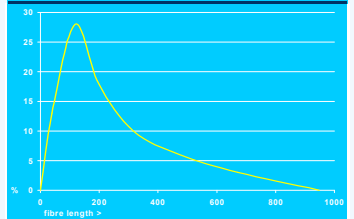
### Chemical Analysis

	Min.	Max.
SiO <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



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 <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

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ISO 9001 LF007.F08