

Product Data Sheet



Rockforce® RF860–Roxul®1000

Engineered mineral fibre for RRIM/Polyurethane

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Rockforce® RF860–Roxul®1000 is the fourth generation mineral reinforcing fibre for RRIM–PUR applications. Rockforce® RF860–Roxul®1000 offers overall the best price–performance ratio available in the market for reinforcing RRIM–PUR at the moment.

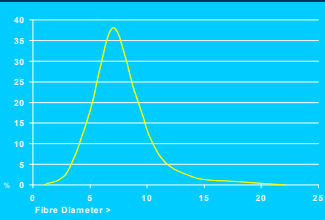
Roxul®1000 chemistry =biosoluble chemistry

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

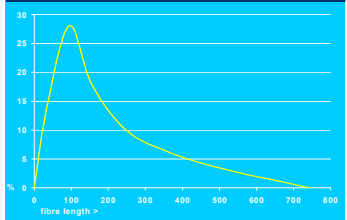
Chemical Analysis

	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	4.5 %wt
Others	6 %wt	6 %wt

Typical average fibre diameter



Typical average fibre length



ADVANTAGES OF ROCKFORCE® RF860–Roxul®1000

- Economical: – reduced machine wear (50% less than milled glass fibres), thus extending equipment life and lowering maintenance cost.
- Technical: – improved processability through easier dispersability – high surface quality of mouldings
– fully interchangeable with milled glass
– favoured by operators due to skin friendly character and low dust formation during handling.

Parameter	Average/Tolerance	Testmethod
Non-Fibrous Material	Norm. Max. N > 125 µm 0.3%wt 0.5%wt	TV 316
Fibre Length	160 ± 20 micron	TV 305
Ignition Loss	max. 0.2 %wt	TV 302
Moisture Content	max. 0.1 %wt	TV 302
Fibre diameter (mass wt. av.)	approx. 12.0 micron	TV 165
Fibre diameter (num. av.)	approx. 6.5 micron	TV 165
Specific surface area	approx. 0.16 m ² /g	TV 165
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