AFTERWIND

Circular Glass Fibres

Individualised recycled glass fibres in micro-bundles, designed for adaptable reinforcement performance. Produced in Europe through mechanical recycling, with third-party laboratory verification and batch traceability to source. Quality management system in place, with ISO certification in progress. Designed to reduce CO_2 emissions, landfill and incineration.

Advantages

Single glass fibres offering a balance of performance, processability, and reduced CO_2 impact.

CIRCULAR RAW MATERIAL

100% recycled content: post-industrial composite byproducts with full batch traceability and ISO certification in progress

VERSATILE

Suitable for applications in construction, automotive and industrials

LOWER CO_2 EMISSIONS

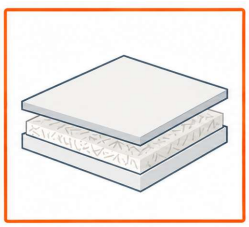
Up to 90% lower than virgin materials

Applications

Suitable for non-wovens and needle mats.

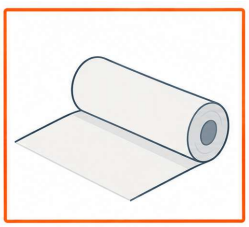
Insulation

Glass nonwovens for thermal and acoustic insulation.



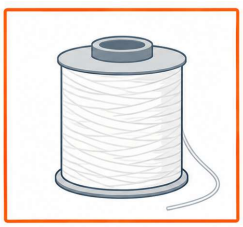
Gypsum boards

Reinforcement for durable and lightweight glass-based panels.



Roofing membranes

Glass nonwovens for weather-resistant building materials.



Glass products

Raw material for new glass products and glass wool.

+46 31 765 01 13 | gocircular@afterwind.eu

Material Characteristics

Fibre Type	E-glass
Color	White or Black
Fibre Length	0.3 mm – 80 mm
Fibre Diameter	9 µm (±7%)
Structure	Mix of single fibres and micro-bundles
Moisture Content†	<0.15%
Loss on Ignition (LOI)	~12%, variation <2%
Binder	Residual urea-formaldehyde (UF), process-dependent
Surface Treatment/Sizing	None intentionally added (residual surface chemistry may be present)
Tensile Strength of Single Fibres	9 cN (mean; 5 mm gauge length; third-party tested)
Elongation of Single Fibres	3% (mean; 5 mm gauge length; third-party tested)

Packaging & Storage

Afterwind® fibres are supplied in bulk packaging such as big bags or smaller units upon request, ensuring safe handling and efficient transport. Customer-tailored packaging solutions available upon request. Products should be stored in a dry, indoor environment at ambient temperature and kept in their original, sealed packaging to prevent moisture uptake and contamination. Partially used packaging should be re-sealed immediately after use.

The information provided in this document is based on available data and is believed to be accurate; however, no guarantee is given regarding its completeness or suitability for specific applications. Users are responsible for testing and validating the product for their intended use. Performance may vary depending on processing conditions and formulations. Environmental data, including CO_2 footprint, is based on internal assessments, with key emissions claims third-party validated through Climate-KIC Climate-SAFE in June 2026. Afterwind makes no warranties, express or implied, including fitness for a particular purpose, and accepts no liability arising from the use of this information or the products described. Afterwind reserves the right to modify this document without prior notice.

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AFTERWIND
Taljegårdsgatan 3
SE-43153 Mölndal
Sweden