AFTERWIND

Chunks & Powder PET Foam

Circular PET foam recovered from end-of-life wind turbine blades through Afterwind®'s recycling process. Available as lightweight chunks and powder, the material retains a cellular structure and demonstrates rheological behaviour comparable to commercial PET foam.

Advantages

Low-density foam material designed to retain the benefits of PET foam while enabling material recovery and reuse.

CIRCULAR RAW MATERIAL

100% recycled content: post-consumer PET foam with full batch traceability and ISO certification in progress

VERSATILE

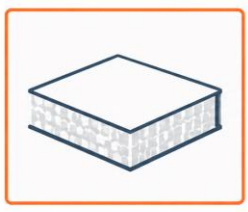
Suitable for incorporation into new composite, construction and industrial applications.

UP TO 93% LOWER CO_2 EMISSIONS

Third-party verified by Climate-KIC, June 2026

Applications

Suitable for compression moulding, extrusion and sandwich panel manufacturing.



SANDWICH PANELS

Recycled PET foam for lightweight core materials and composite sandwich structures.

CONSTRUCTION

Suitable for insulation, lightweight panels and other construction applications.

AUTOMOTIVE

Potential use in lightweight interior and structural components.

COMPOSITES

For incorporation into new composite materials and products.

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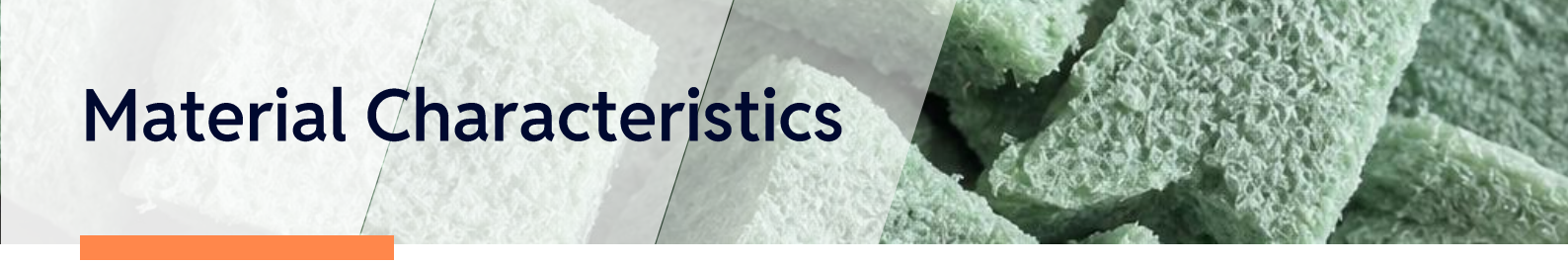

Material Characteristics

Materiai	Recycled PET Foam
Source	End-of-life wind turbine blades
Forms	Chunks and powder
Structure	Cellular foam

Color	Off-white to light grey; may appear sage depending on recycled content
Chunk Size	Max 40 mm
Organic content	~0%, residual resin content may be present
Resin	Epoxy resin

Complex Viscosity without Resin	~300–6,000 Pa·s (comparable to commercial-grade structural PET foam)

Packaging & Storage

Afterwind® Circular PET Foam is supplied in bulk packaging such as big bags or smaller units upon request, ensuring safe handling and efficient transport. The material is supplied in its original, non-compressed form; densification or compaction can be provided upon request to optimise storage, handling and transport. Customer-tailored packaging solutions are also available upon request.

The material should be stored in a dry, indoor environment at ambient temperature and kept in its 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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