

**ABM**COMPOSITE  
Arctic Biomaterials

## Contact

tel // +358 10 325 5500  
email // info@abmcomposite.com

**Arctic Biomaterials Oy LTD //**  
Osuusmyllynkatu 13,  
33700 Tampere, Finland  
www.abmcomposite.com

**DUE  
000**

2Mila S.r.l. Piazza Santa Maria Nascente, 3  
20060 Pozzuolo Martesana - (Mi) Italy  
Office : +39 02 39559567  
Email : info@2milasrl.it  
www.2milasrl.com

abmcomposite.com



**ABM**COMPOSITE  
Arctic Biomaterials

Techical

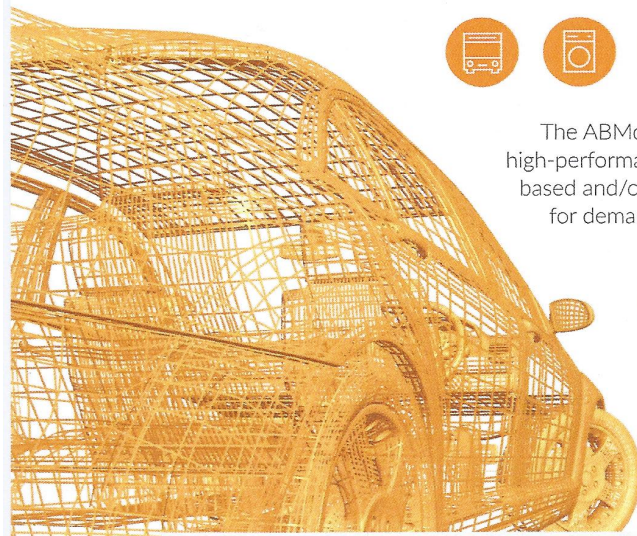
abmcomposite.com

# Who we are

**Arctic Biomaterials Oy** is a company producing bio-based and/or biodegradable composite solutions for demanding technical applications.

The **biodegradable glass fiber** reinforced materials produced with ABMcomposite technology enable us to fulfill customer needs in technical applications in an environmentally friendly way and offer an alternative to several oil-based technical plastics.

Join us on our journey to make sure we give future generations the possibility to enjoy an innovative, green and healthy planet.



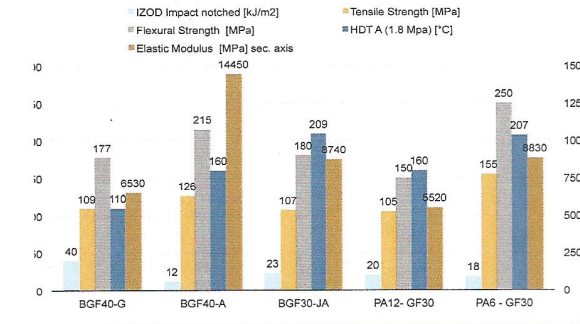
The ABMcomposite technology offers high-performance biodegradable and bio-based and/or biodegradable alternatives for demanding technical applications.



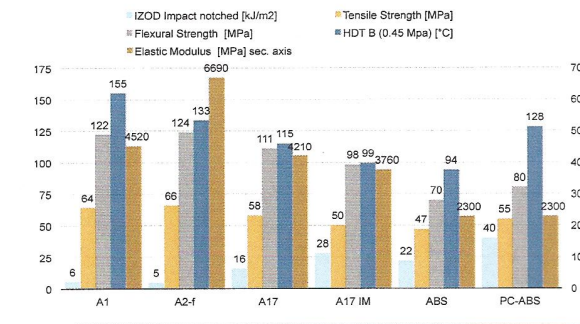
Heat deflection temperature (HDTA) of up to **165°C**

The composite materials are produced on our long-fiber-reinforced-thermoplastic (LFT) line. This proprietary biodegradable long glass fiber compounding technology increases the ABMcomposite materials temperature resistance and mechanical properties to new levels and opens a variety of possible application areas in the field where technical plastics are being used. Heat deflection temperature (HDTA) of up to 165 °C can be reached.

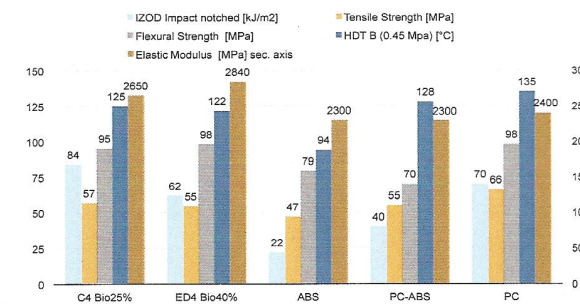
## Biodegradable Glassfiber Reinforced Products



## Non-reinforced Bio-based Products



## Partially Bio-based Products



The environmental aspect and climate care are deeply embroidered in our company's DNA.

## Reduction of carbon footprint

The two main key indicators in a products' environmental footprint are greenhouse gases (GHGs) and non-renewable energy use. In some cases compared to traditional oil-based technical plastics the amount of GHGs and use of non-renewable energy (per kg of polymer produced) can be reduced up to 80% by using ABMcomposites and compounds. For the final calculation/ comparison, a detailed Life Cycle Analysis (LCA) should be made.



ABM formulated adhesion between fiber and polymer enables superior mechanical and temperature properties

## ABM - a bioplastic expert at your service

ABM has a total combined experience of over 200 years of biopolymer experience. This experience and knowhow we offer to our customers and partners to develop biomaterials to meet their needs. ABM can assist from product design to tool making to material formulation. Our task is to be a reliable partner and be THE biopolymer expert for our customers.