

### 3A Composites Core Materials - Global market leader with local resources



Europe | Middle East | India | Africa  
 Airex AG  
 5643 Sins, Switzerland  
 T +41 41 789 66 00  
 corematerials@3AComposites.com

North America | South America  
 Baltek Inc.  
 High Point, NC 27261, USA  
 T +1 336 398 1900  
 corematerials.americas@3AComposites.com

Asia | Australia | New Zealand  
 3A Composites (China) Ltd.  
 201201 Shanghai, China  
 T +86 21 585 86 006  
 corematerials.asia@3AComposites.com



[www.3Acorematerials.com](http://www.3Acorematerials.com)



## Constructing greener future starts here

- / superior insulation & 100% recyclable
- / excellent fire properties
- / high performance at elevated temperatures



## Tailored AIREX® Insulation Solutions

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# AIREX® TK insulation foams

## - sustainable performance

AIREX® TK foams have been created to support applications where superior insulation and structural properties are a must. They bring exceptionally low thermal conductivity along with high-rank AIREX® performance standards:

- Superior insulation and 100% recyclable
- Fire retardancy
- Easy to process with all types of resins and glues
- High process temperature up to 150 °C (302 °F)
- Very high chemical stability
- Non rotting, no water & humidity absorption
- Highly consistent material properties
- Thermoformable
- For structural and semi-structural applications



Markets: Building & Construction | Refrigerator Trucks | Transportation | Pipe insulation | Industrial

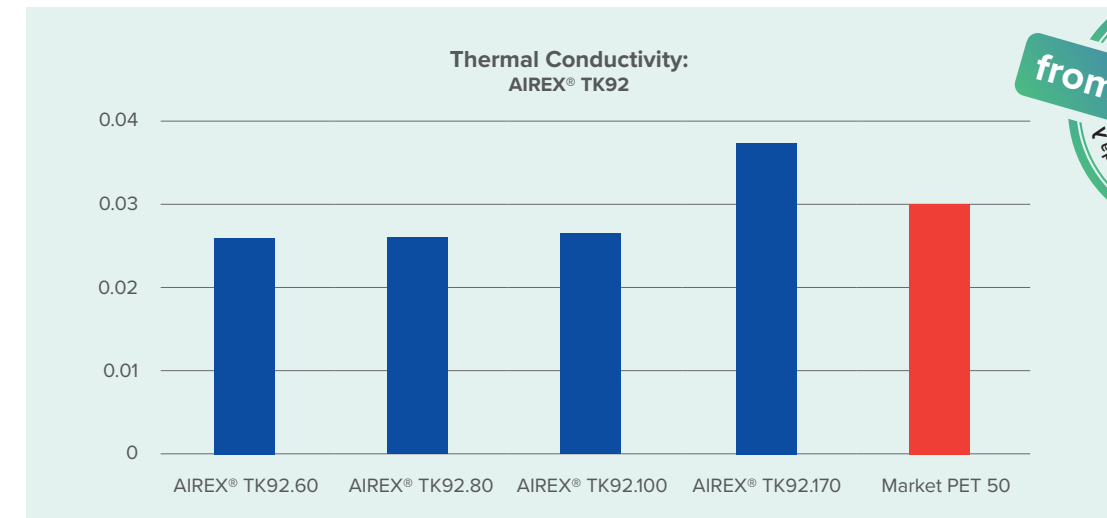
### Materials

**AIREX® TK92** - structural foam for standard insulation applications

**AIREX® TK90** - fire retardant foam with good insulation properties

### Advantages

- Long-term stable insulation & structural properties
- Water / moisture resistance
- High acoustic insulation
- Sustainable alternative to conventional insulation foams
- Low CO<sub>2</sub> footprint
- Superior fire retardant properties



Note: Externally tested Lambda λ at 10 °C.

	AIREX®	XPS	PU	Plywood
Insulation	●	●	●	●
Moisture absorption	●	●	●	●
Rotting	●	●	●	●
Sustainability	●	●	●	●
Recyclability	●	●	●	●
Compression	●	●	●	●
Bending stiffness	●	●	●	●
Long-term resistance	●	●	●	●
Weight to mech. properties ratio	●	●	●	●
Handling & dust	●	●	●	●

