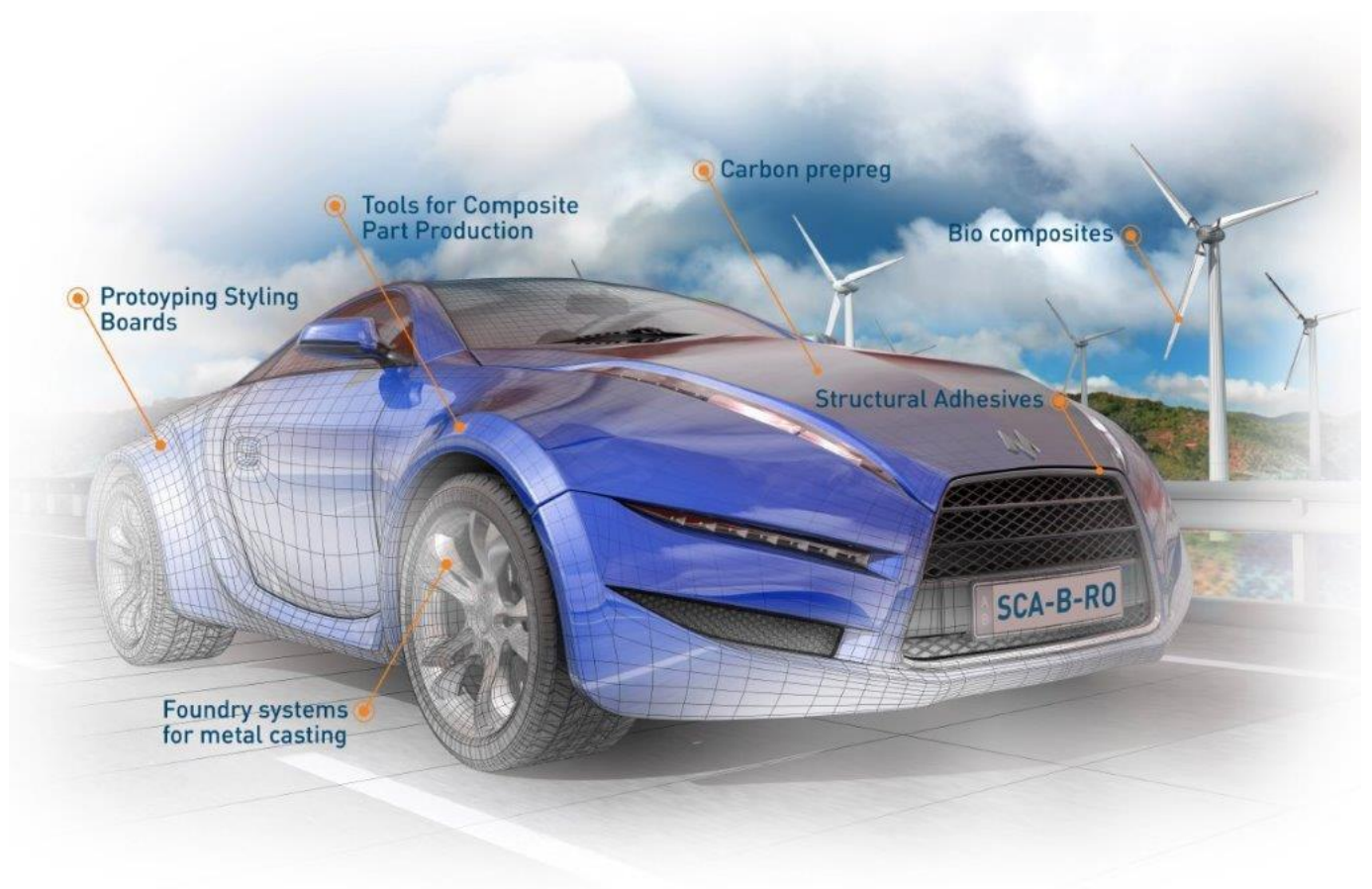


TECHNICAL DATASHEET

Thermalimide



MALLENBOUW | COMPOSITEN | LIJMEN

Data Sheet

THERMALIMIDE

Ultra high temperature bagging film

■ DESCRIPTION

Thermalimide is a high performance bagging film for cure temperatures up to 426°C.

■ BENEFITS

- High temperature resistance enables vacuum bagging for extremely high temperature applications.
- Flexibility for applying pressure over simple contoured shapes.
- Superior toughness of film in comparison to metallic foils helps avoid bag tearing.

■ TECHNICAL DATA

		Test method
Material type	Polyimide	
Elongation at break	80 %	ASTM D 882
Tensile strength	240 MPa	ASTM D 882
Maximum use temperature	426°C	
Flammability (self extinguishing)	Yes	ATP-5034
Materials to avoid	None	
Colour	Amber	
Shelf life	Unlimited when stored in original packaging at 22°C	

■ SIZES

Thickness	Width	Length	Weight/Roll	Forms Available *
25 µm (0,001 inch)	1,52 m (60 inches)	78 m (255 feet)	4,3 Kg (9,5 lbs)	SHT
50 µm (0,002 inch)	1,52 m (60 inches)	78 m (255 feet)	8,6 Kg (18,9 lbs)	SHT
25 µm (0,001 inch)	2,00 m (78,70 inches)	78 m (255 feet)	5,65 Kg (12,45 lbs)	SHT
50 µm (0,002 inch)	2,00 m (78,70 inches)	78 m (255 feet)	11,3 Kg (24,9 lbs)	SHT

- Custom shapes and sizes are available, please contact Airtech for more information.

* SHT = sheeting

■ NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.