



# Composites<sup>®</sup> International

**ALLURALITE<sup>™</sup>**  
Lightweight Aesthetic Composites

• • **EXTERIORS PAINTABLE for AUTOMOTIVE**



- ✓ Low density
- ✓ Structural rigidity
- ✓ Dimensional stability
- ✓ UV Resistance
- ✓ Corrosion resistance
- ✓ Electrical insulation
- ✓ Heat resistance and fire retardancy

- ✓ Bio-source resin



Custom composites for high  
performances applications

[www.idicomposites.fr](http://www.idicomposites.fr)

# Engineered for performance

Thermoset molding compounds • SMC, BMC, CIC

With more than **40 years** of leadership experience, **IDI Composites International Europe SAS** works closely with customers to identify and to develop the **optimal thermoset molding compound for each application.**

The European production site is located in France, at 200 kms from the south of Paris, and answer to customers demand in **Europe, Africa and India.**



1 composite → 2 components • Non miscibles & Assembled • Heterogeneous Product • Higher Performance for composite than RM

### Reinforcement

✗ Fiber Glass E,



### Matrix

✗ Polyester,



✗ Link between reinforcement fibers,  
 ✗ Split strains on material,  
 ✗ Give a chemical resistance,  
 ✗ Give a fire resistance,

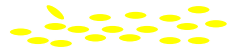
### Additives

✗ TP Agent for shrinkage



### Fillers

✗ Hardness  
 ✗ Abrasion,



## SMC, BMC, CIC • Competitive advantages

	Metals	Thermoplastics	SMC/BMC/CIC
Material Cost	-	+	++
Tool Cost	--	++	+
Electric Insulation	--	++	++
Corrosion Resistance	--	++	++
Temperature Performance	++	--	+
Moulding precision	+	--	++
Dimensional Stability	+	--	++
Integration of function	--	++	++
Design	--	++	++
Recycling	++	++	+
Knowledge of Engineering Offices	++	+	-
Weight Reduction	-	+	++



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