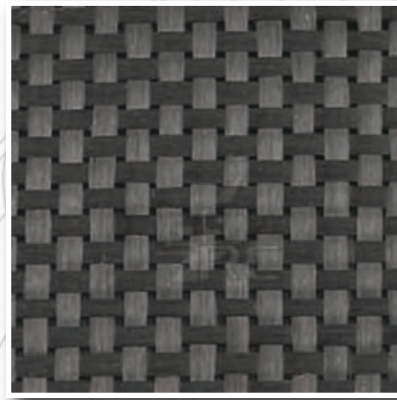
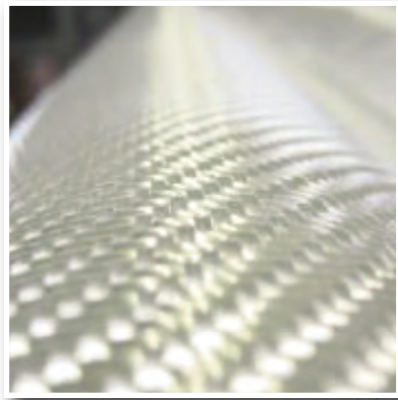


## Custom Composites For High Performance Applications

**FORTIUM**<sup>TM</sup>  
High Glass Fiber Composites

**ULTRIUM**<sup>TM</sup>  
Carbon Fiber Composites

- ✓ High Performance Compounds
- ✓ Glass or Carbon Fiber Reinforced
- ✓ Flexural / Tensile Modulus >> 12GPa



- High Strength
- Impact Resistant
- Highly Moldable

Materials specifically formulated for European markets, other formulations available globally.

Series:	FORTIUM™		
Product Description:	TOUGH   WEATHERABLE   MOLDED-IN BLACK SMC		
Applications include hard-wearing, textured, weather-exposed, semi-structural applications such as truckbeds, underbodies, treadplates, and tough enclosures.			
	367-42 384-00	384-00 <sup>Fabric</sup>	367-54 367-62A
Nature Of Resin	VE	VE	VE
Nature Of Fiber	Glass	Glass	Glass
Amount Of Fibers	55 wt% Roving	70 wt% Plain Weave	50 wt% UD + Roving
Density (g/cm <sup>3</sup> ) Test Method: ISO 1183	1.78 1.88	1.97	1.71
Flexural Strength Test Method: EN ISO 14125	425 MPa	600 MPa	610 MPa
Flexural Modulus Test Method: EN ISO 14125	17 GPa	24 GPa	22 GPa
Tensile Strength Test Method: EN ISO 527-4	215 MPa	360 MPa	250 MPa
Tensile Modulus Test Method: EN ISO 527-4	18 GPa	25 GPa	19 GPa
Specific E-Modulus	9-10 GPa	13 GPa	11 GPa

**The information on this sheet is a guide.** The stated values reflect an average of several tests conducted on Composites International's (CI's) goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. CI makes no warranty or representation as to the suitability of any of its goods for use in any application. CI relies on customer to conduct its own tests and judge for itself the suitability of CI's goods.

4/2022



**GLOBAL LOCATIONS  
GLOBAL SOLUTIONS**



[idicomposites.com](http://idicomposites.com)

North America  
Noblesville, IN

Europe  
Vineuil, France

United Kingdom  
Oldbury, UK

Asia/Pacific  
Shanghai, China

Caribbean  
Aguirre, Puerto Rico

Mexico  
Mexico City, Mexico

- Ultra-high stiffness to weight ratio
- Carbon prepreg compatibility
- High strength to weight ratio
- For complex geometric applications requiring performance optimized high stiffness and low weight



Materials specifically formulated for European markets, other formulations available globally.

**Series:** ULTRIUM™  
**Product Description:** CARBON FIBER SMC  
 Ultra-performance moldable composites, offering low density, and outstanding strength and rigidity.

	367-56	367-66	367-67
Nature Of Resin	VE	VE	TP
Nature Of Fiber	CF 12K	CF 50K	CF 12K
Amount Of Fibers	50 wt% Roving	50 wt% Roving	50 wt% Roving
Density (g/cm <sup>3</sup> ) Test Method: ISO 1183	1.39	1.39	1.39
Flexural Strength Test Method: EN ISO 14125	400 MPa	275 MPa	420 MPa
Flexural Modulus Test Method: EN ISO 14125	25 GPa	22 GPa	19 GPa
Tensile Strength Test Method: EN ISO 527-4	200 MPa	135 MPa	170 MPa
Tensile Modulus Test Method: EN ISO 527-4	35 GPa	33 GPa	32 GPa
Specific E-Modulus	25 GPa	24 GPa	23 GPa

**The information on this sheet is a guide.** The stated values reflect an average of several tests conducted on Composites International's (CI's) goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. CI makes no warranty or representation as to the suitability of any of its goods for use in any application. CI relies on customer to conduct its own tests and judge for itself the suitability of CI's goods.

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Mexico  
Mexico City, Mexico

# 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 answers to customer's demand in **Europe, Africa and India**.



## Competitive Advantages Of Thermosets

	Metals	Thermoplastics	SMC/BMC/CIC
Material Cost	-	+	++
Tool Cost	--	++	+
Electric Insulation	--	++	++
Corrosion Resistance	--	++	++
Temperature Performance	++	--	+
Moulding Precision	+	--	++
Dimensional Stability	+	--	++
Integration of Function	--	++	++
Design	--	++	++
Recycling	++	++	+



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