- **High Flame Resistance & Performance**
- **Light Weighting**
- **High Structural Strength & Stiffness**
- **Dimensional Stability**
- **Electrical & Thermal Insulation**
- **Low Density & Low Shrink**

FLAMEVEX™
Flame Resistant Lightweight Composites

| **Series:** | **FLAMEVEX™** | | |
| **Product Description:** | **SMC WITH ENHANCED FLAME PERFORMANCE** | | |

Flame-resistant SMC with great mechanical performance designed for the challenges of high-density energy storage and protection in next-generation vehicles.

	FV330	**FV449** *(In Development, Pre-Release Data)*
Flexural Strength Test Method: ISO 178*	261 MPa	*335 MPa*
Flexural Modulus Test Method: ISO 178*	12 GPa	*13 GPa*
Tensile Strength Test Method: ISO 527*	146 MPa	*180 MPa*
Tensile Modulus Test Method: ISO 527*	16 GPa	*16 GPa*
Impact Strength, Notched Izod Test Method: ISO 180	115 kJ/m²	*134 kJ/m²*
Specific Gravity Test Method: ISO 1183	1.89	*1.71*
Shrinkage Test Method: ASTM D955	0.069%	*0.035%*
Fiber Content Test Method: ASTM D3171	35%	*52%*
Flammability Test Method: UL-2596	≥ 250 KPa	*–*
Flammability Test Method: UL-94**	5VA I 2.5mm	*5VA I 1.5mm*
Appearance	Black	*Black*

* Data from cut specimens.
** Testing performed by IDI in accordance with UL-94 method.

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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GLOBAL LOCATIONS
GLOBAL SOLUTIONS
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North America	Europe	United Kingdom	Asia/Pacific	Caribbean	Mexico
Noblesville, IN	Vineuil, France	Oldbury, UK	Shanghai, China	Aguirre, Puerto Rico	Mexico City, Mexico