



**Composites
International**
THERMOSET MOLDING COMPOUNDS

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New Thermoset Molding Compound for HID Automotive Headlamps

NOBLESVILLE, IN (USA) – IDI

Composites International, the premier global formulator and manufacturer of thermoset molding compounds, announces a new bulk molding compound (BMC) formulated specifically for the automotive market: BMC Grade A103. This new superior



polyester-based grade facilitates injection molding of high-intensity discharge (HID) and traditional automotive headlamp assemblies, and reflects the increased use of thermoset molding compounds in the automotive industry.

Grade A103 is ideal for headlamp reflectors, as the thermoset compound provides superior dimensional stability during long-term exposure to heat and vibration. It also exhibits exceptionally low emissions under high heat. This is an important characteristic as the headlamp reflector is created in a vacuum metallization process, and volatile emissions will cause blistering of the metal and ultimately device failure. Unlike thermoplastics, this new BMC will not degrade under the high heat generated by HID lamps.

In addition to their overall aesthetic appeal, parts made from Grade A103 are lightweight, fog-resistant, corrosion-resistant, and creep resistant, and demonstrate

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superior strength-to-weight ratios. The new material fills an important need as automobile manufacturers seek unique materials to address their more pressing design issues.

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About IDI Composites International: IDI Composites International is the premier global formulator and manufacturer of thermoset molding compounds for custom molders and OEMs. The company provides customized polyester/vinylester-based bulk molding compounds (BMC) and sheet molding compounds (SMC) for the world's most demanding markets, including automotive, electrical, transportation, telecommunications and military/aerospace.

Headquartered in a 200,000 square foot facility in Noblesville, IN (USA), IDI has a strong presence in the international thermoset composites market. To support a growing customer base world-wide, the company operates multiple wholly-owned manufacturing facilities in Europe, Asia, and The Americas.