

TECHNICAL BRIEF

The One-Source Solutions Provider
DESIGN | FORMULATE | COMPOUND | MOLD | FINISH
Thermoset Composites

Fire Resistant Technology



Mar-Bal provides materials engineering and compounding fully controlled by our in-house, state-of-the-art laboratory. Our engineered composite materials have excellent performance characteristics, which makes them well suited for a wide variety of applications. Mar-Bal's material engineering team can customize a material to fit your application and meet your exact specifications.

Thermoset composites have high performance at elevated temperatures including:

- Creep Resistance
- Mechanical Property Retention
- Superior Thermal Stability

Fire-Gard™ is a Thermoset Composite Material formulated with Fiberglass reinforcements that also includes quenching characteristics to extinguish Fire



- Will not burn or contribute to a fire
- Will not transfer heat to components
- Low Smoke and non-toxic
- Corrosion and rust proof
- UL® Classified Compounds



Mar-Bal's composite materials are created to achieve As-Molded-In High Gloss and Color for demanding consumer applications

Mar-Bal's BMC formulations provide outstanding color stability following heat exposure with minimal changes (low Delta e).

Innovative chemistries allow for excellent stain resistance and ease of cleaning.

Resistance to harsh cleaning chemicals without crazing or stress cracks provide long lasting elegance.

Headquartered in Chagrin Falls, Ohio, Mar-Bal is a compounder and molder of thermoset composite products. Since 1970, Mar-Bal has engineered and manufactured quality, customized materials and parts. Mar-Bal serves the appliance, electrical and industrial marketplaces from its four facilities in North America and its Sales Office in Shanghai, China.

Mar-Bal, an ISO 9001:2008 registered company, has a portfolio of brands and proprietary products, and continues to develop innovative products while maintaining a commitment to client satisfaction and total value.

Contact Mar-Bal today and learn how the Fire-Gard™ technology can be a solution for you.

For more information about Fire-Gard™ and other innovative solutions including injection, compression and transfer molding of BMC, SMC, polyester, phenolics and epoxy, contact Mar-Bal.

440-543-7526 mar-bal.com

**Appliance | Electrical | HVAC
Lighting | Transportation | Industrial**



Many Mar-Bal formulations and products are tested to and listed with UL® for Fire and Electrical Safety Standards.

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VIRGINIA PLANT

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