

# 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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Phone: 540-674-5320  
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**MISSOURI PLANT**

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Cuba, MO 65453  
Phone: 573-885-4064  
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