

# TECHNICAL BRIEF

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

## Appliance Applications



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 appliance applications.

Mar-Bal's material engineering team can customize a material to fit your application and meet your exact specifications.



Thermoset composites deliver:  
Heat Resistance  
Chemical Resistance  
Corrosion Resistance

Mar-Bal's mechanical engineering team can design a custom part that can provide for parts consolidation and function with molded-in inserts and eliminate secondary processing. The designs will maximize molded dimensional accuracy and deliver:

Molded-in Color  
Tight tolerances  
Low-post mold shrinkage  
Repeatable moldings

Washers Dryers Refrigerators Freezers Ranges Ovens Dishwashers  
Control Panels Handles Knobs Vent Trims Side Trims Motor Housings Kick Plates



Mar-Bal has pioneered formulations considered industry benchmarks for aesthetics, molded-in gloss and high strength.

The selection of unique raw materials provide customers with high appearance, while delivering outstanding stain resistance and “cleanability” without chemically stress cracking to household cleaners.

Achieving high retention levels of mechanical properties and color stability following aggressive heat and life cycling tests provide customers with the material of choice for demanding applications.

Low post mold shrinkage technology provides part to part dimensional repeatability for ease of assembly and function.

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 Asia 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 thermoset composites can be a solution for you.

For more information about capabilities and 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**



*Innovative chemistries allow for excellent stain resistance, ease of cleaning and provides for long lasting elegance.*

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**MISSOURI PLANT**

101 Commerce Drive  
Cuba, MO 65453  
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