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WIND POWER APPLICATIONS

Globally, the continued focus on clean and renewable energy has drawn more attention to the possibilities of thermoset composites. Through the use of these advanced materials, wind turbine blades can be manufactured longer in length with a greater strength-to-weight ratio than metals and increased durability, while simultaneously exhibiting responsiveness to changing wind speeds.

Mar-Bal can deliver quality products and materials for a multitude of demanding applications.



ENGINEERED MATERIALS

Mar-Bal's material engineering team can customize a material to fit your application and exact specifications. Our engineered composite materials, including UL® recognized formulations, have excellent performance characteristics which make them well suited for Wind Power Applications.

Mar-Bal's mechanical engineering team can design a custom part to meet demanding and hostile environments. The designs will maximize molded dimensional accuracy, deliver tight tolerances, have excellent strength to weight ratios and provide cost savings due to part consolidations.

CHEMISTRIES INCLUDE

- POLYESTERS
- VINYL ESTERS
- EPOXIES
- HYBRIDS

R&D SERVICES

- THERMAL ANALYSIS
- ASTM & ISO TESTING METHODS
- UL FLAME TESTING
- MECHANICAL TESTING
- ELECTRICAL TESTING
- CUSTOM FORMULATING

DESIGN | FORMULATE | COMPOUND | MOLD | FINISH

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 industries while moving into new markets from its four facilities in North America and its Asia Sales Office located in Shanghai, China.

An ISO 9001:2015 registered company, Mar-Bal 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.

mar-bal.com | 440.543.7526

R & D TECHNICAL CENTER

Chagrin Falls, OH

CORPORATE OFFICE

Chagrin Falls, OH

MANUFACTURING PLANTS

Painesville, OH

Dublin, VA

Cuba, MO

Taizhou, China

SALES & MARKETING

Chagrin Falls, OH

Shanghai, China

Blacksburg, VA



Mar-Bal composites provide part strength, UV resistance and durability in demanding environments.

Thermoset Composites have high performance at elevated temperatures including:

- Creep Resistance
- Mechanical Property Retention
- Superior Thermal Stability

Thermoset Composites are:

- Lightweight
- UV Resistant
- Corrosion and Rust Proof

Thermoset Composites have excellent mechanical properties including:

- High Impact Strength
- Good Flexural modulus
- Tensile Strength
- Very High Compression Strength

