



MIRteq Inc

T~ (260) 490 3706 | F~ (260) 489 9084 | E~ [sales@mirteq.com](mailto:sales@mirteq.com)

2201 Suppliers Court, Fort Wayne IN 46818

## MIR-1000

### – ONLINE BROCHURE



### REVOLUTIONARY MOLDING SOLUTIONS YOU CAN BUILD A BUSINESS ON

MIRteq supplies a range of thermoset resins that produce high quality, precisely engineered closed molded products with a compelling value proposition, without requiring expensive molds or million-dollar injection equipment.

Speciality products include:

- general molding
- roto-casting
- low exotherm; and
- chemically resistant

resin systems and pastes, developed using either MIRteq's award winning micro-fiber systems or latest generation resin-alloy technology.

## MIR-1000 GENERAL MOLDING RESIN

MIRteq's new resin-alloy is a tough, elastic and impact resistant material designed specifically for closed molding applications.

It competes with thermoplastics, urethanes, LRTM, and other materials primarily because of its exceptional physical properties, low capital entry point, minimal labor and speed to market.

As an engineering precise material it is also relatively inexpensive, does not require expensive molds or sophisticated injection equipment, involves minimal labor, trimming or rework and is not limited by size.

MIR-1000 is molded at room temperature, (preferably) in fiberglass and epoxy tools.

*"It feels like a thermoplastic" Rick W. Indiana*

Anything you can do in thermoplastic you can now do with MIR-1000.

It completes with LRTM because parts are molded net, improves cycle times, involves fewer processes, there is minimal labor and trimming, no re-work and no print-through.

It is available with UV protection, can be painted, pigmented or chromed.

#### Other Features:

Corrosion Resistant

Available in 75°C (167°F), 85°C (185°F) and 95°C (203°F) HDT, Clear and UV formulations

Specific Gravity: 1.05

Flexural Strength: 90-100 MPa

Flexural Elongation: >13%

Flexural Modulus: 1.8 GPa (260,000psi) - 2.7 GPa (392,000psi)

Shrinkage: Unrestrained typically <3% though influenced by part geometry, cure cycle and length of time left in the mold. Typical closed mold shrinkage less than 1%

MIR-1000 - Opening up a World of New Opportunities