

# 2002

## CYRO

### SOLUTIONS IN MEDICAL MANUFACTURING

#### New Alcohol and Lipid Resistant Molding Compound Ideal For Medical Device Applications

Medical device manufacturers and injection molders can now achieve superior alcohol and lipid resistant medical parts while maintaining acrylic's excellent clarity, good processability, and property retention after sterilization. New CYROLITE® Med 2 acrylic-based multipolymer compound provides greater chemical resistance than lipid resistant polycarbonate and all other acrylic compounds on the market today. Compared to the original CYROLITE Med compound, the marketplace's first alcohol resistant acrylic, this new formulation exhibits significant improvements. CYROLITE Med 2 compound provides enhanced impact strength, increased ductility, greater chemical resistance, improved clarity, and is still priced lower than the original.

#### Unbeatable Chemical Resistance

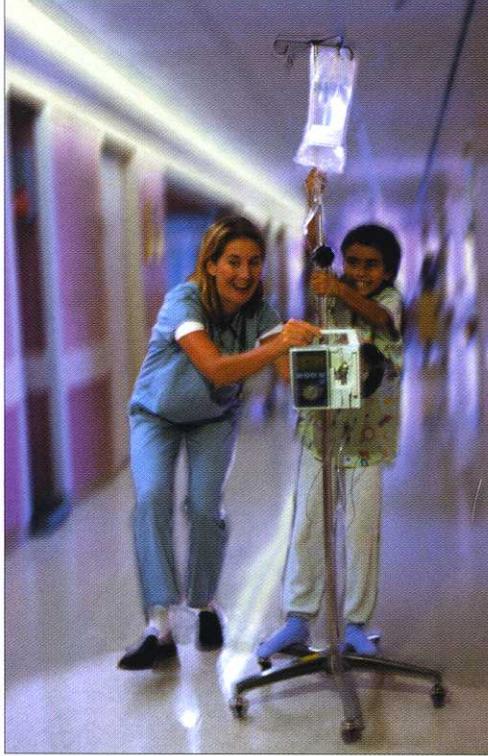
For transparent disposable and reusable medical devices that require the maximum alcohol and lipid resistance, CYROLITE Med 2 compound provides the solution. CYROLITE Med 2 compound remains clear and unaffected by plasticizers, sterilization, body fluids and common chemicals it may encounter in the field.

Specifically formulated for molding disposable medical devices where clarity and chemical resistance is critical, CYROLITE Med 2 compound is used in applications such as:

- Filter housings
- IV accessories
- Blood filter components
- Catheter adapters
- Check valves
- IV connectors & accessories
- Luers
- Cassettes
- Spikes
- Pumps
- Y-sites



Ideal for thin-walled and difficult-to-mold multicavity parts, CYROLITE® Med 2 compound offers a new superior level of chemical resistance.



Parts molded with CYROLITE Med 2 compound exhibit superior performance in the field.

#### Faster Production Speeds

CYROLITE Med 2 compound can be processed at lower temperatures, speeding up cooling and decreasing cycle times. This increases overall production capabilities and efficiency. Because of lower temperatures and improved ductility, CYROLITE Med 2 compound can be processed faster than lipid resistant polycarbonate and other materials in existing injection molding presses.

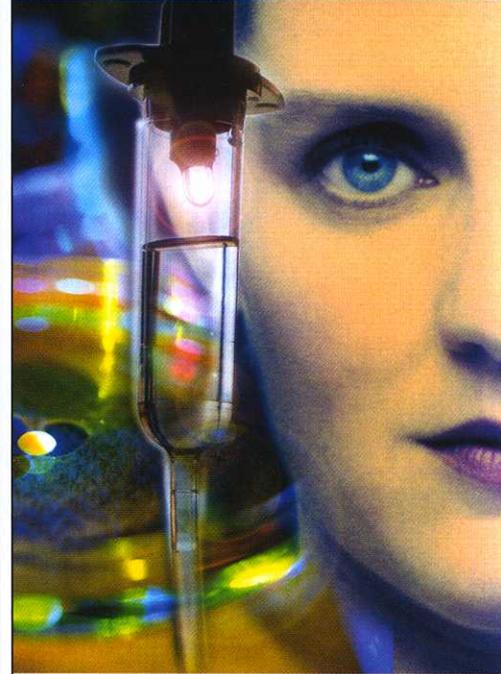
#### Easy to Sterilize

CYROLITE Med 2 compound shows no deterioration after sterilization at typical gamma or E-beam irradiation levels, with only minor yellowing after gamma irradiation. The compound is also compatible with ethylene oxide gas, and low-temperature hydrogen peroxide gas plasma (LTHPGP) sterilization without adverse effects, providing more sterilization options from which to choose.

#### The Adaptable Compound

CYROLITE Med 2 compound is adaptable to all tooling designed for processing styrene, vinyl, ABS, or polycarbonate, eliminating equipment obstacles when transitioning to the compound. Regrind can also be readily used, reducing plant waste and cutting material costs even further.

Until now, your most astonishing ideas may have been physically impossible.



Introducing CYROLITE Med 2 compound. The acrylic that takes resistance to alcohol and lipids to new heights.

CYROLITE® Med 2 acrylic-based multipolymer compound takes IPA and lipid resistance dramatically beyond the strain rate limits of polycarbonates and other acrylics. It also sets a new standard in clarity, ductility, impact resistance, and superior optics after gamma and E0 sterilization. And its modest pricing reduces overall manufacturing costs. This new acrylic-based multipolymer compound instantly becomes the first choice for injection molding thin-walled and difficult-to-mold multicavity parts. And the *only* choice for medical device designers with gleams in their eyes.

For more information, samples or to trial CYROLITE Med 2 compound, call 1-800-631-5384 or visit [www.cyro.com](http://www.cyro.com).

**Cyrolite Med 2**  
ACRYLIC-BASED MULTIPOLYMER COMPOUND



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