



# The Polymer Oracle

Newsletter of the  
Polymers Center of Excellence  
Winter 2011



**POLYMERS**  
Center of  
Excellence  
IES/NCMEP Partner



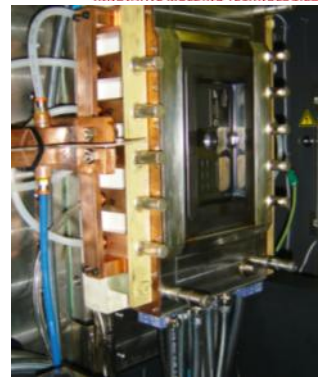
[www.polymers-center.org](http://www.polymers-center.org)

## Polymers Center now has Novel Induction Mold Heating Technology for Customer Trials

### ROCTOOL

INNOVATIVE MOLDING TECHNOLOGIES

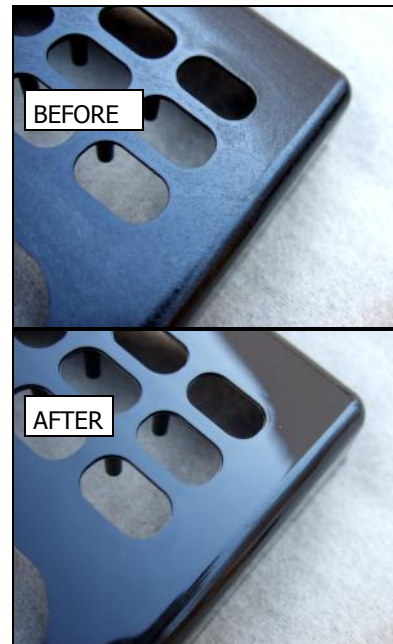
RocTool's novel inductive mold heating technology is now available for sampling in the United States! The Polymers Center has a test mold on loan from RocTool that demonstrates the beneficial effects this technology has on gloss, texture, and weld lines.



With inductive mold heating, the mold surface - and only the surface - is rapidly heated to near melt temperatures during injection, then quickly cooled afterwards. The result can be parts - even parts molded from glass-filled plastics - with exceptional Class A surfaces, without any visible weld lines or blemishes of any type. PCE customers are invited to demo this mold on their material.



*Photos of 20% glass-filled polycarbonate before and after using inductive mold heating.*



For more information on RocTool, [click here](#).



## Spring 2011 PCE Courses & Industry Seminars

Feb 23: Choosing the Right Plastic

Feb 24: How to Design a Plastic Part

Mar 2: Injection Molding 101

Mar 3: Injection Molding 102

**Mar 23: Goettfert Melt Index Testing**

Mar 23: Extrusion 101

Mar 24: Extrusion 102

Mar 24: Thermoforming 101

**Apr 5-7: Scientific Molding Principles I**

**Apr 13: Goettfert Capillary Rheometry**

**Apr 18-20: Century Twin Screw Compounding**

**Apr 26-29: Advanced Scientific Molding**

**May 3-6: DOE for Scientific Molders**

May 10: Extrusion 101

May 11: Extrusion 102

**June 1: OSHA Combustible Dust**

**July 22: Compounding Filled Polymers**



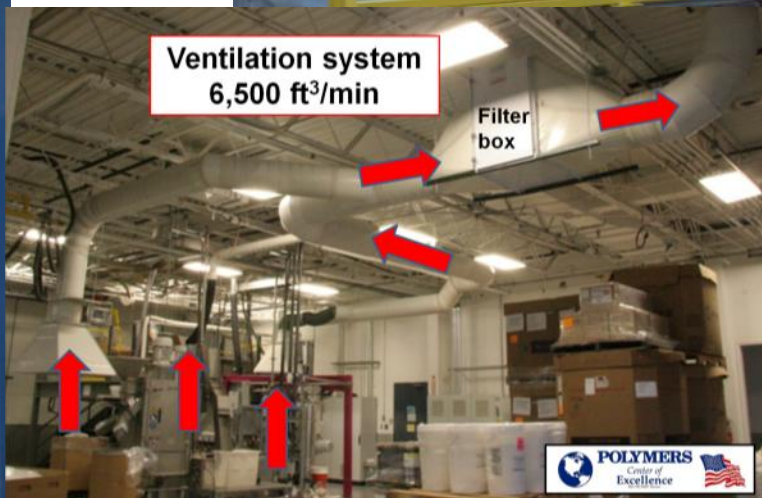
*For more information on,  
or to register, [click here](#) .*



## Operational Improvements in the Polymers Center' Extrusion Compounding Lab.

Our Extrusion Lab continues to make operational improvements. Investment in an upgraded 6,500 CFM ventilation/filter system and positive air-flow ventilators for operators now allows us to compound Level 3 additives.

Our loading dock has been upgraded as well. The old, restrictive swinging doors have been replaced with a new, significant larger overhead door to facilitate loading/unloading of product.



For more information on our extrusion compounding capabilities, [click here](#)

*The Polymer Oracle is published quarterly by the Polymers Center of Excellence, Charlotte, North Carolina. Questions or comments? E-mail us at [contact-us@polymers-center.org](mailto:contact-us@polymers-center.org) or call Dennis Hayford at 704.602.4101. To remove your name from our mailing list, please [click here](#) and put "Unsubscribe" in the subject line.*