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

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.