

*Expect More From  
Your Plastics Supplier*

## Ferro Corporation Filled and Reinforced Plastics Division

### **EFFAR™** Flame Retarded Polypropylene Compounds

**EFFAR™** Ferro's newest family offers a wide range of flame retarded (FR) products to meet Underwriters Laboratories (UL) flammability and long-term heat aging requirements with Relative Thermal Index (RTI). We offer these products in a variety of versions such as unfilled, talc filled, glass reinforced and combination talc/glass configurations with either V-0 or V-2 Flame Class Ratings and RTI ratings up to 115°C.



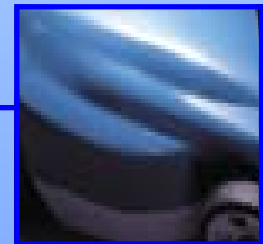
### **FERREX®** Mineral Filled, High Gloss Polypropylene Compounds

**FERREX®** compounds have proven to be cost effective alternatives to ABS materials. These unique products offer excellent impact characteristics with a high gloss finish. Extensive UL recognition (RTI's up to 125°C) makes **FERREX®** the natural choice for appliance, housewares, lawn/garden, power tools and recreational applications. Custom formulations are available with UV stabilization, exact color matching and improved surface hardness.



### **FERROFLEX®** TPO's High Performance, Cost Effective TPO Compounds

**FERROFLEX®** TPO products offer excellent mechanical and physical properties, dimensional stability, processability and heat resistance for all your molding requirements. These products also offer high cost/performance ratio for economic design and an emerging product line that offers near amorphous mold shrinkage properties unseen in an olefin product. Such a combination of property and processability is a design most suited for production of high performance TPO applications. Custom formulations include high gloss.



### **GAPEX®** High Performance, Glass Fiber Reinforced Polypropylene Compounds

**GAPEX®** compounds "Bridge the Gap" between general purpose polymers and engineering resins. These chemically coupled glass reinforced materials have UL Relative Thermal Index (RTI) listings up to 115°C, with a 94HB Flammability Rating. Excellent mechanical properties make **GAPEX®** compounds an ideal choice for the Appliance, Pool & Spa and Transportation markets. Custom grades can be designed to meet your end-use requirements. These modifications include UV stability, color matching and high impact technology. Look to **GAPEX®** for the ultimate performance alternative to higher-priced products.



**GAPEX HT®** Reinforced, Nylon/Polypropylene Alloys

**GAPEX HT®** reinforced nylon/propylene alloys are a unique family of products developed by Ferro Corporation. These products address the needs of the users in the automotive, appliance, liquid handling, power tool and industrial markets requiring minimizing the adverse effects of water absorption commonly experienced with nylon molding compounds. This product offers stability in processing and physical properties in humid conditions.



**OPTUM®** Specialty Olefin Alloys

**Optum®** Alloys represent a unique family of compounds combining the enhanced advantages of polyolefins with special processing characteristics for extrusion and thermoforming applications. **Optum®** Alloys are a natural fit for many food packaging and service applications that require compliance with Food and Drug Administration (FDA) Regulations governing plastics materials in food and drinking water contact applications.



**RxLOY™** Medical Olefin Alloys

Our advanced **RxLOY™** Olefin Alloy Medical Product line offers a broad base of formulations, including approximately a 30% higher yield due to its low density (g/cc), allows for significant down gauging, provides superior barrier properties, has excellent resistance to punctures and tearing, and provides an ease of recycling, as compared to PVC. Representative grades offer full compliance with the Asian State Drug Administration, European protocols, as well as meeting the U.S. Food and Drug Administration Regulations and the USP Class VI, at 121°C biocompatibility requirements.



**Other Engineered Polypropylene Systems**

- Calcium Filled
- Calcium/Glass
- Calcium/Talc
- Mica Filled
- Mica/Glass
- Low Gloss
- Talc Filled
- Talc/Glass
- Laser Etchable
- Reflective

We have the capabilities and technologies to design a product for your future applications. Let Ferro assist you in defining your future plastic material needs today. Call our Ferro marketing department at (800)457-3767 ext. 2107.

Filled and Reinforced Plastics Division  
**FERRO CORPORATION**  
5001 O'Hara Drive  
Evansville, Indiana 47711  
Telephone: (800) 457-3767  
Fax: (812) 435-2128  
Internet: <http://www.ferro.com>

