



*“Small additions that make a big difference”*

**DynaSil®**                      **Antimony Free Flame Retardant Compounds**

Halogenated flame retardant package synergist, based on patented silicon technology that allows for the unique formation of char that enables the halogen to do its job in an effective manner. By replacing antimony we can reduce the density cost, density and performance of the polymer. Replacing antimony also leads to a much better eco-tox profile than the traditional flame retardant products.

**EverGlide®**                      **Lubricated Compounds**

Lubricated plastics lowers the coefficient of friction and improve wear resistance. Everglide® offers lubrication beyond the capability of traditional lubricating compounds. The technology can achieve better lubrication and wear properties at a much lower level than the traditional 20-30% loadings. This provides improved processing, mechanicals and lower cost. In addition to the wear properties these compounds reduce die build up, cycle time, pressure and required process temperatures.

**Flexil™**                              **Maintain Plastic Properties to Extreme Temperatures**

**NEW!** Patented technology that decreases flex modulus up to 50%, improves impact modification while maintaining mechanical properties from -50° to 300° C. Flexil™ is available in most resins, from polyolefins to PEEK.

**DynaStat®**                      **Antistatic Compounds**

Electrically active materials are permanent and tunable Antistatic and Static Dissipative (ESD) plastics. Typical ESD compounds insure a broad range of electrical resistance of about two decades ( $10^9$ - $10^{11}$  Ω/sq). With DynaStat, there is better range and tighter tolerance. DynaStat is perfectly tunable to a surface resistivity within  $10^7$ - $10^{11}$  Ω/sq. Properties are permanent throughout the polymer, not sensitive to humidity, and cannot be wiped or worn off the surface.

**DynaChar®**                      **Flame Retardant Compounds**

Halogenated and non-halogenated flame retardant compounds offering low rates of heat release, smoke and carbon monoxide generation. We not only offer the traditional chemistries, but several novel flame retardant chemistries that are solely available through Polymer Dynamix.

**DynaPath®**                      **Electrically and Thermally Conductive Compounds**

Conductive compounds based on proprietary chemistry that offer lower resistivity for applications that require electrical or thermal conductivity.

**DynaMix®**                      **Specialty Compounds**

The essence of custom compounding; providing solutions for your unique requirements. Utilizing our unique ability to disperse difficult to handle materials and reactive extrusion we have been able to create unique solutions for our customers that allow them to differentiate themselves from the competition. Materials include special alloys, stabilizers, improved mechanical and thermal properties, reinforcements, surface modifiers and thermo-chromatic colorants.