

*Begg & Co. Thermoplastics Ltd.*  
*Creative Masterbatches & Raw Materials*



**Bio-Batch™**

To assist in your understanding and marketing of products containing **Bio-Batch™** please find below answers to the questions we are often asked.

**Q. Which polymers does it work in?**

**Bio-Batch™** is suitable for use in LDPE, HDPE, PP, Polystyrenes, PET and PVC

**Q. Is Bio-Batch™ food safe?**

Yes – Plastics products containing **Bio-Batch™** are F&DA approved for food contact applications.

**Q. Will my products be affected?**

No - **Bio-Batch™** does not activate until it goes to Landfill or / Composting. The ingredients will not affect you product in the warehouse, on the shelf etc.

**Q. Is Bio-Batch™ dangerous to the environment.**

No – **Bio-Batch™** is based on organic ingredients only, contains no metals, heavy metals or genetically modified crops.

**Q. Will my product be biodegradable?**

Yes – **Bio-Batch™** biodegrades plastic through bacterial / microbial action.

**Q. Is Bio-Batch™ a photodegrader or oxodegrader?**

No – products are not degraded by UV light or heat, only by bacterial digestion.

### **Q. Will my product be Compostable?**

No – this is a problem with definitions. Compostability regulations mean that a product must be over 90% degraded within a 6 month period. As such very little is compostable, even leaves, twigs etc.

**Bio-Batch™** products will breakdown in home or industrial composters, but it takes longer than the regulations permit (1-5 years)

### **Q. Will my product conform to EN 13432**

No- EN13432 is a regulation designed to protect the integrity of industrial compost. It requires very fast breakdown of products to be converted into mostly CO2. As such even grass cuttings do not meet EN 13432

### **Q. How fast will my products biodegrade**

Once in a high bacteria environment, products containing **Bio-Batch™** will biodegrade within 5 years.

### **Q. Is there a symbol / logo to indicate my product is biodegradable?**

No – at present there are only symbols to indicate polymer type for recycling

### **Q. Can my products be recycled?**

Yes - Plastic containing **Bio-Batch™** can be recycled

### **Q. If I use more than 1% **Bio-Batch™** does it work faster?**

No, **Bio-Batch™** works by creating biofilms to biodegrade the polymer surfaces, surface area controls the rate of biodegradation, not the percentage of masterbatch.

### **Q. Why haven't I heard of **Bio-Batch™** before?**

**Bio-Batch™** was developed in the US in 1999 and has been commercially available since 2004. It is only in recent years that people have become more aware of the problems in disposing of plastics, and as such searched for solutions.