

## Axion Polymers & Axpoly®



### WHAT WE DO

Axion Polymers' award winning factory is one of the most advanced plastics recycling factories in Europe. The plant separates and compounds WEEE and other post-consumer sources of input raw material.

A multi million pound investment includes state-of-the-art plant and equipment operated by highly qualified, experienced staff delivering some of the highest grade recycled polymer in the world.

In Axion Polymers 40,000 sq ft premises in Salford, Greater Manchester, the Axion production team is operating market leading technical processes to deliver consistently high quality products within tight technical specifications.

Mixed and contaminated thick-walled plastics of all polymer types can be processed successfully into high quality recycle suitable for re-use in injection moulding and extrusion processes.

The unique process at the Salford site has been developed over the last two years and now consists of over twenty individual process stages which enables Axion's finished products to compete

technically and commercially with virgin grade polymers as produced by large multi national corporations.

### WHAT DO WE STAND FOR?

We are experts in the recovery and re-use of post-consumer plastics. Our team 'mine' resources from existing waste streams to produce sustainable materials with massively reduced carbon impact.

Axion Polymers' team is enthusiastic and highly skilled with the knowledge and know-how to deliver innovative, novel and practical product design and development.

We are able to offer knowledge, experience and expertise in planning, modeling and the development of project control systems, with the ability to respond to strict customer deadlines and reporting requirements.

### TEN REASONS TO CHOOSE AXPOLY®

1. Successfully replaces virgin grade resin
2. Award winning product
3. ISO9000 quality certified
4. Sustainable raw material
5. 93% less CO<sub>2</sub>
6. Appeals to 'greener' customers
7. 100% post-consumer
8. Can be recycled again
9. Saves the Planet
10. Great people to work with



## AXION'S PRODUCT RANGE

Axion Polymers supplies polystyrenes and polyolefins under the brand name Axpoly®.

Available with additives and in a range of colours, Axpoly can be melt-filtered to up to 100 micron and so is suited to a wide range of applications, in particular, sheet extrusion (Axpoly can be extruded to 0.5mm) and injection moulding.

Axpoly is a genuine 'green' product. A massive reduction in CO<sub>2</sub> is achieved in the production of Axpoly. In the manufacture of virgin polymer, 3400 kg of CO<sub>2</sub> is produced, per tonne (as estimated by Plastics Europe). Collecting, separating and compounding plastics to produce Axpoly yields just 220 kg of CO<sub>2</sub> per tonne.



Colour plaques

Require high quality, melt filtered polymer? Need additives? Impact modifiers, flame retardants, fillers? Range of colours?

Choose **Axpoly®**

## Contact us

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Every batch of finished product undergoes a defined series of quality control checks including yield strength, impact resistance, melt flow index (MFI) and IR & XRF chemical analyses. These tests have proven time and again that quality is the secret to Axpoly's success in this market place.

Many of Axion Polymers' customers have successfully substituted Axpoly for virgin grades in many complex injection moulding applications such as replacing washing machine parts.

Customer feedback about Axpoly has been very positive:

" We have been using the Axpoly polystyrene recycled polymer resin for the past 3 months and we have seen very consistent, high quality on our big-volume coat-hanger jobs. Those chaps at Axion really know their stuff!"

– Product Development Manager

Axpoly is available in several grades, in black and 'off-white', all produced to tight production specifications. Our team of in-house technicians can tailor-make a polymer blend from our material. We are able to respond to customer requirements for special blends that meet performance requirements, supplying higher impact grades and colour matching.

Call our technical team to discuss your requirements.

## EXAMPLES OF PRODUCTS MADE FROM AXPOLY®



**The  
Plastics  
Industry  
Awards**

**2008  
Winner**



**NORTHWEST  
BUSINESS  
ENVIRONMENT  
AWARDS 2008**

**WINNER**