

Axion Recycling Newsletter

WELCOME to the latest edition of the Axion Newsletter. Included in this issue are items about Axion Polymers' latest product, polypropylene and Axion exhibiting at the forthcoming KMO show in Germany.

AXION'S NEW POLYPROPYLENE PRODUCT



DVD cases are typically made from polypropylene

Axion Polymers is now producing general purpose polypropylene at its state of the art factory in Salford. Axion has developed processes to enable it to recycle small items of waste electrical and electronic equipment (WEEE) to produce the polypropylene. Notoriously difficult to recycle, small WEEE is now being successfully recycled by the company.

Martin Green, Sales Manager comments:

"We are very excited to be able to offer this popular material. The relatively high melt flow of 25 makes this product particularly suitable for injection moulding applications."

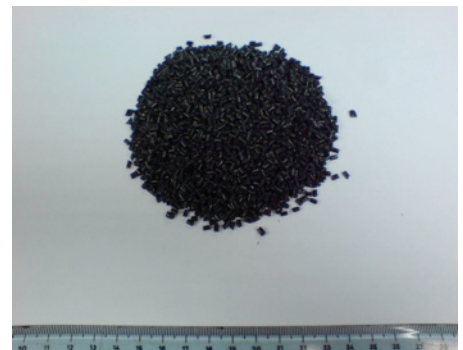
POLYPROPYLENE PRODUCT INFORMATION:

Axpoly® Grade - PP06 5001

Description: General Purpose Polypropylene

PP01 series polypropylenes offer the designer and processor a high performance polymer with well-defined properties in a range of options to suit many applications.

The Axpoly® PP01 range of custom compounds are processed to a high purity and give consistent material properties during moulding.



Axpoly PP01 4001	
Parameter*	Typical Properties
MFI (5kg @ 200°C)	25 g/10 mins (200/5kg)
Density	0.97-1.01 g/cm ³
Tensile Strength	22 MPa
Impact	9 kJ/m ²
Visual Appearance	Black
Pellet Size	3 mm

Technical data:

Axpoly® is available in 1 tonne polyester big bags on a pallet, other formats possible on request.

Notes: All grades are assessed to ISO Standards, are ROHS compliant and REACH ready.

AXION AT KMO SHOW

The KMO show, North Germany's regional plastics exhibition will take place in the historic spa town of Bad Salzuflen from Wednesday 9th to Saturday 12th April. Over 225 exhibitors from 12 countries will be at the event, covering the full range - injection moulding, automation, raw materials & additives, mould design and making, prototyping and quality control, together with a range of service companies. The organisers are expecting 9 - 10,000 visitors from over 10 countries.

Robin Hilder, Hilder Business & Technology Services, has worked closely with Axion Polymers in the past and will be representing both Hilder Business & Technology Services and Axion Polymers at the event. Robin will be presenting Axion Polymers' full product range and highlighting Axion's consultancy services. On the stand will be polymer trader Herr Hermann of TKC Kunststoffe and representatives from Rondol Technology Ltd. Rondol are one of the few surviving independent manufacturers of plastics processing mini and micro injection moulders and small twin extruders. Rondol will have a 'High Force 5' injection moulder on the stand and will be micro moulding plates for fuel cells using Axion Polymers' PS01 and polyolefin fraction from WEEE, filtered to 40 microns.



Free tickets for the exhibition can be obtained from Robin Hilder, Tel: +49 5483 72 18 66, email: robin@hilder-bt.de or from the KMO website www.kmo-messe.de Nearest airports are: Düsseldorf, Hannover and Münster Osnabrück.

STAFF FOCUS: MIKE BENNETT

Mike Bennett is employed as a Project Engineer by Axion Consulting based at our factory site in Salford. He is involved in a range of projects for both our own Axion Polymers and third party clients. Currently Mike is working on the development of several novel separation processes for Axion Polymers. He is also commissioning a pilot scale separation plant for another client.

Mike is part of the team working on development of the Creasolv process, a solvent based process which Axion is developing with other partners, to remove brominated flame retardants from WEEE plastic waste to produce high value polymers.

Mike graduated in July 2007 from the University of Manchester. He holds a Masters degree in Chemical Engineering.

In his spare time, Mike is a keen Manchester United fan and enjoys tennis, music and fishing. Mike currently holds the prize for the tallest member of the axion team!



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Innovation in recycling