

Material:	Axpoly® PS01 impact modified polystyrene	form:	updated:	ref:
		Pellets	27 Mar 2009	MI Card 1

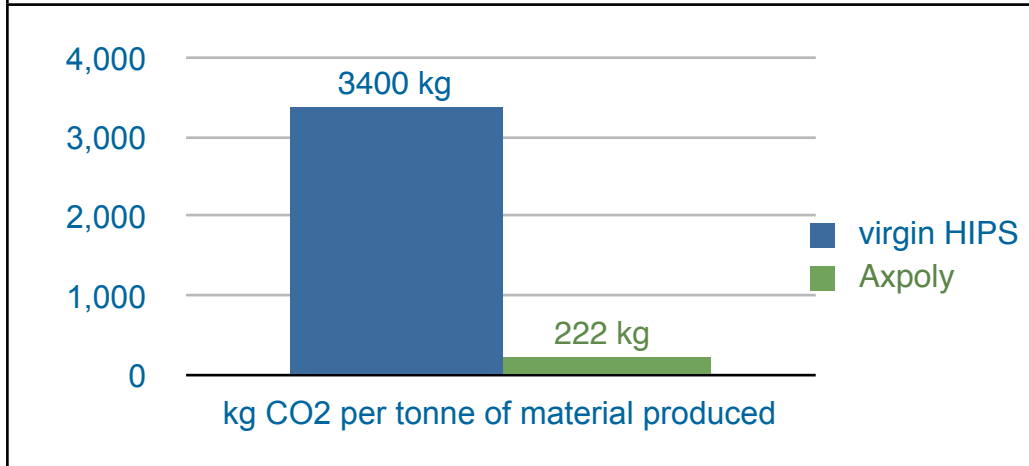
Benefits:	Examples:
-----------	-----------

- 100% post-consumer recycled polymer (recovered from refrigerators)
 - 93% less CO₂ impact compared with virgin*
 - Successfully replaces virgin grade resin
 - ISO9000 quality certified
 - Available in a range of colours
 - Cost savings compared with virgin polymer grades
- * As detailed in Axion's report 'Carbon Footprint Evaluation of Recycled HIPS' August 2008. Calculation made using data provided by WRAP and Plastics Europe.



Below: Graph comparing CO₂ impact of virgin HIPS versus Axpoly

Above: Horticultural pots made from Axpoly
Below: Washing machine part made from Axpoly



Pricing and availability

15-25% cost saving against virgin grades*

* price varies according to quantity and payment terms.



Same day dispatch available on material in stock.



Minimum order: 1 tonne

Smaller quantities and 25 kg samples available on request.



Complete shipment: 22-24 tonnes

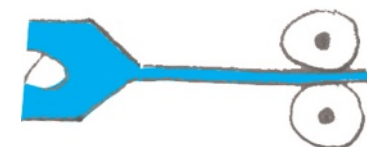
Factory capacity: 700 tonnes per month



Processes and applications

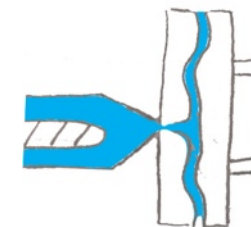
Previous applications:

- washing machine parts
- horticultural pots
- television parts



EXTRUDE

Axpoly PS01 polystyrene can be custom coloured and has the potential to be used for a number of complex parts or products.



INJECTION MOULD

Technical specification

Parameter	ISO	Spec		Typical Properties
		Min	Max	
MFI (5kg @200°C)	1133	5	8	6g/10 mins
Density	1183-1	1.03	1.06	1.03g -1.05g cm ³ *
Tensile Strength	527 - 1/2	15	25	21 - 22 MPa*
Impact	180	6	10	8 kj/m ²
moisture	%	<0.25%		0.17%
Elongation @break	527 - 1/2	25%	50%	35%
Pellet size	mm	2mm	4mm	3mm

RoHS compliant and REACH ready

* depending on grade

Supplier contact details

Call our friendly sales team to discuss your application requirements and for an up-to-date quote.

Tel: Keith, Laura or Edyta on +44 161 737 6124

Email: info@axionpolymers.co.uk



WINNER



www.axionpolymers.com