

Material:	Axpoly® PS13 impact modified polystyrene	form:	updated:	ref:
		Pellets	27 Mar 2009	MI Card 3

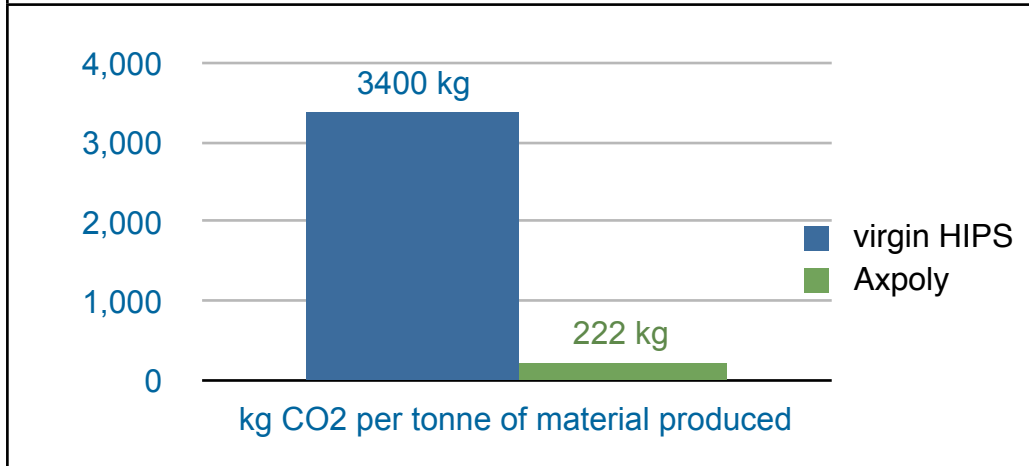
Benefits:	Examples:
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- 100% post-consumer recycled polymer (recovered from coat hangers)
  - 93% less CO<sub>2</sub> impact compared with virgin\*
  - Successfully replaces virgin grade resin
  - ISO9000 quality certified
  - Available in black/grey
  - 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 CO<sub>2</sub> impact of virgin HIPS versus Axpoly


Above: Horticultural tray made from Axpoly  
Below: Office in-tray made from Axpoly




Pricing and availability	Processes and applications
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Price range:  
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



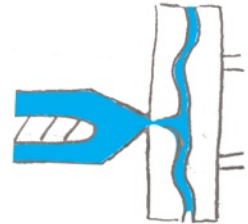
Previous applications:

- coat hangers
- horticultural trays
- office in-trays



**EXTRUDE**

Axpoly PS13 polystyrene can 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	9	7g/10 mins
Density	1183-1	1.02	1.06	1.03g cm <sup>3</sup>
Tensile Strength	527 - 1/2	18	27	23 MPa
Impact	180	6*	16*	8 - 14 kJ/m <sup>2</sup> *
moisture	%	<0.25%		0.17%
Elongation @break	527 - 1/2	20%*	50%*	25 - 35%
Pellet size	mm	2mm	4mm	3mm

Assessed to ISO standards 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](mailto:info@axionpolymers.co.uk)









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