

Material:	Axpoly® PS13 impact modified polystyrene	form:	updated:	ref:
		Pellets	05/07/2010	MI Card 3

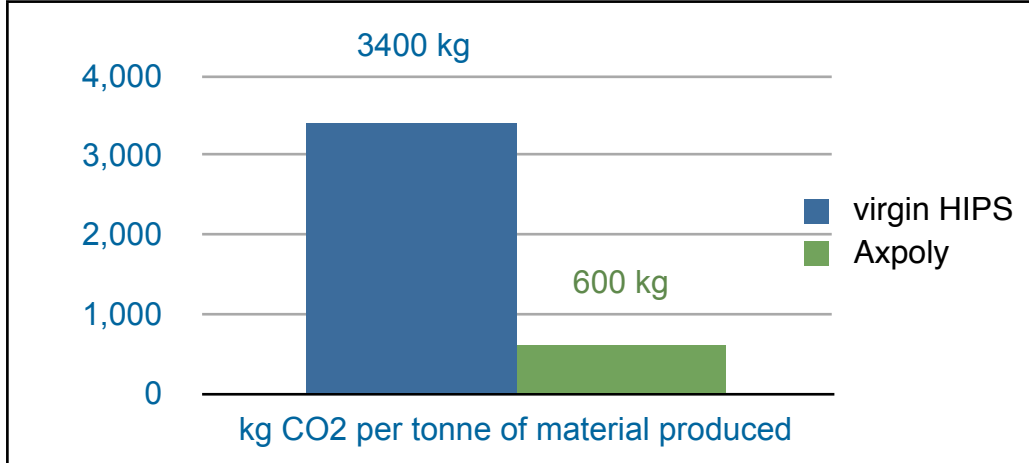
Benefits:	Examples:
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- 100% post-consumer recycled polymer (recovered from coat hangers)
 - 82% less CO₂ impact compared with virgin*
 - Carbon saving verified by Carbon Footprint label
 - Successfully replaces virgin grade resin
 - ISO9000 quality certified
 - Available in black/grey
 - Cost savings compared with virgin polymer grades
- * calculation made in accordance with PAS 2050 standard and verified by the Carbon Trust.



Below: Graph comparing CO₂ 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




Technical specification	Supplier contact details
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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 ³
Tensile Strength	527 - 1/2	18	27	23 MPa
Impact	180	6*	16*	8 - 14 kJ/m ² *
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

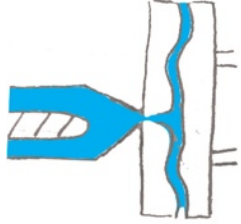
Previous applications:

- coat hangers
- horticultural trays
- office in-trays



EXTRUDE

Axpoly PS13 polystyrene can be used for a number of complex parts or products.



INJECTION MOULD

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

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 Email: info@axionpolymers.co.uk



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reducing with the Carbon Trust

The carbon footprint of this 1 tonne bag of Axpoly PS13 recycled plastic is 600kg and we have committed to reduce it. This is the total emissions of carbon dioxide (CO2) and other greenhouse gases produced during its collection and recycling back into useful polymer.

The use of this Axpoly grade has an 82% lower carbon footprint than the equivalent polystyrene material made from virgin oilbased feedstock, which has average CO2 emissions of 3,400kg per tonne (as reported by Plastics Europe, the European trade association for the plastics industry).



www.axionpolymers.com