Product Information Sheet

PS13 1000

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AXPOLY®

PS13 1000 Impact Modified Polystyrene

Description:
High quality polymer resin for use in injection moulding or sheet extrusion applications. The very consistent and reliable physical properties of this black, impact resistant plastic make it suitable for replacing virgin resins in many manufactured component parts.

Source:
Unique separation and sorting technologies enable Axpoly® PS13 resin to be produced from post-consumer retail garment hangers as part of a nationwide re-use and recycling scheme. All production batches are traceable back to the origin of the raw material as part of the certified manufacturing process.

Quality Control:
Every tonne of every batch is made under our strict ISO9001 QC system to ensure that customers are confident about the reliable and consistent performance of the polymer during thermoforming and moulding operations. Customer feedback confirms that end products are the '*best recycled plastic ever*' in terms of quality and price considerations.

Environment:
Produced from 100% post-consumer raw materials and the first UK polymer to achieve a Carbon Trust approved Carbon Footprint Label, this product fits closely with our other Axpoly® recycled resin grades and offers benefits including:

- Successfully replaces virgin resin
- Huge savings in CO_2 impact - 82% less
- Carbon saving verified by Carbon Footprint label
- Appeals to 'greener' customers
- Cost-down on raw material
- Saves the Planet!

Parameter	ISO	Spec Min	Spec Max	Typical Properties
MFI (5 kg @ 200°C)	1133	5	9	7 g / 10 mins
Density	1183-1	1.02	1.06	1.03 g /cm^3
Tensile Strength	527 - 1/2	18	27	23 MPa
Impact Strength	180	6	10	8 kj / m^2
Moisture Content	%	<0.25%		0.17%
Elongation @ break	527 - 1/2	25%	30%	25%
Br level	ppm	< 3000		1000
Pellet Size	mm	2mm	4mm	3mm

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

Axion Polymers

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Notes: All grades are assessed to ISO standards, are RoHS compliant and REACH ready.

The Plastics Industry Awards 2010 Finalist

Chemicals northwest Awards 2010 WINNER

reducing with the Carbon Trust

600kg CO2

per 1 tonne bag

carbon-label.com

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 oil-based feedstock, which has average CO2 emissions of 3,400kg per tonne (as reported by Plastics Europe, the European trade association for the plastics industry).