

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, this product fits closely with our other Axpoly® recycled resin grades and offers the same set of user benefits, including:

- Successfully replaces virgin resin
- Huge savings in CO₂ impact - 93% less
- Appeals to 'greener' customers
- Cost-down on raw material
- Saves the Planet!

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, and are REACH ready.



Parameter	ISO	Spec		Typical Properties
		Min	Max	
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	20%	30%	25%
Br level	%	< 3000		1000
Pellet Size	mm	2mm	4mm	3mm

