

## AXPOLY®

### PS13 1011 High Impact Polystyrene

#### Description:

Top quality, high impact polystyrene resin for use in injection moulding applications where component strength is a key factor. Axion's Polymer Technicians have developed this version of our popular PS13 range to meet the toughest demands of product designers.

#### 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 CO<sub>2</sub> impact - at least 80% 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, are RoHS compliant and 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 <sup>3</sup>
Tensile Strength	527 - 1/2	18	27	23 MPa
Impact Strength	180	12	16	14 kj / m <sup>2</sup>
Moisture Content	%	<0.25%		0.17%
Elongation @ break	527 - 1/2	25%	50%	35%
Br level	ppm	< 3000		1000
Pellet Size	mm	2mm	4mm	3mm

