

## AXFOIL®

PS01 Coloured - Impact Modified Polystyrene sheet

### Description:

High quality extruded polymer sheet suitable for use in a wide range of thermoforming, vacuum moulding and sheet conversion applications such as: packaging, point of sale displays, banners and signs, models and prototypes. Axfoil PS01 can be made into a range of different colours (as shown). Customers' specific colours can be matched. Axfoil® is manufactured from Axpoly® PS01 to the same exacting quality standards, providing consistent and reliable physical properties and dimensions. Supplied on reels, it can be printed or painted and can be easily assembled with solvents, adhesives or fastenings.

### Source:

Unique separation and sorting technologies allows Axpoly® PS01 resin to be produced from post-consumer fridge liner plastics derived from primary WEEE treatment plants. All production batches are traceable back to the origin of the raw material as part of the certified manufacturing process. Axpoly PS01® resin is extruded into Axfoil sheet at Axion Polymers' own manufacturing plant.

### Quality Control:

Axfoil® is made under our strict ISO9001 QC system to ensure that customers are confident about the reliable and consistent performance of the polymer sheet during thermoforming operations. On-line thickness measurements used, along with a range of in-house test to confirm reliable and consistent properties.

### Environment:

Produced from 100% post-consumer raw materials, this sheet product fits closely with our Axpoly® recycled resin grades. Axfoil® PS01 sheet offers the following user benefits:

- Successfully replaces virgin resin
- Huge savings in CO<sub>2</sub> impact - at least 80% less
- Fully recyclable
- Appeals to 'greener' customers
- Cost-down on raw material
- Saves the Planet!

Axfoil® is available in various thicknesses ranging from 0.5 to 1.7 mm and is supplied on reels format. Max reel size is 800 kilos; minimum 200 kilos.

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	6	10	8 kj / m <sup>2</sup>
Moisture Content	%	<0.25%		0.17%
Elongation @ break	527 - 1/2	20%	30%	25%

## Axion Polymers

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