

## AXFOIL®

PS02 Black - 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. This black, impact resistant plastic sheet is successfully used in the horticultural industry to form trays and pots. Axfoil® is manufactured from Axpoly® PS02 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® PS02 resin to be produced from post-consumer TV casings sourced 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 PS02® 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. Customer feedback confirms that end products are 'better than virgin' in many aspects, such as dimensional stability, surface finish and price per mould impression.

### Environment:

Produced from 100% post-consumer raw materials, this sheet product fits closely with our Axpoly® recycled resin grades. Brominated flame retardants are removed as part of the refining process to deliver a high-purity RoHS compliant raw material. Axfoil® PS02 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 1.9 mm and is supplied on reels format. Max reel size is 800 kilos; minimum 200 kilos.



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	25%	40%	30%
Br level	ppm	<3000		1000

## Axion Polymers

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

