

## AXPLAS®

PS04 0000 Mixed Polystyrene Granules with FR

### Description:

The PS04 series of clean, mixed polystyrene granular chips offers a low-cost option for manufacturers to add post-consumer, engineering polymers to a wide range of products. The polymer mix includes a high proportion of styrenic thermoplastics including PS, HIPS, ABS and traces of PC/ABS.

### Source:

Unique separation and sorting technologies allows Axplas® PS04 resin to be produced from post-consumer TV and monitor casings derived from primary UK WEEE treatment plants. 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 quality control procedures and is consistently free from metal and other contaminants. The origin of the material means that this granular fraction contains a higher level of brominated flame retardants than our fully compounded resins - a factor which some users see as a potential benefit in the end-use application of the material.

### Environment:

Produced from 100% post-consumer raw materials, this product fits closely with our other recycled resin grades and offers the same set of user benefits, including:

- Huge savings in CO<sub>2</sub> impact - 93% less
- Appeals to 'greener' customers
- Cost-down on raw material
- Saves the Planet!

The Axplas PS04 chips have a particle size range with 90% of mass between 2 - 8 mm.

Axplas® 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	TYPICAL PROPERTIES*
MFI (5 kg @ 200°C)	8 g / 10 mins
Density	1.14 g / cm <sup>3</sup>
Br - level	8%
Tensile Strength	30 MPa
Impact	5 kj / m <sup>2</sup>
Visual Appearance	Mixed Dark Coloured
Bulk Density	600 kg / m <sup>3</sup>

