

## AXPLAS®

### Development Grade - HDPE21 0000

#### Description:

High purity moulding grade HDPE shredded flakes, colour natural. Produced from a 'known-source' supply chain with a traceable history. Good shred size, ideal for granulation, alternatively can be extruded directly from shred, depending upon individual equipment. The small shred size gives the added benefit of increased bulk density and efficient shipping costs.

#### Source:

Controlled and traceable recycling loop for post-consumer IBCs, sorted and washed prior to shredding. Primarily used for delivery of industrial detergents.

We expect the physical properties and consistency of the material to be very reliable due to the single source of the recycled drums.

#### Development Status:

The initial physical properties are typical and we will prepare a more detailed set of specified data as we gain experience of processing more batches. Customers wishing to take part in the early market testing of this material can be leaders in enjoying the benefits of this exciting new product.

#### Environment:

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

- Huge savings in CO<sub>2</sub> impact
- Appeals to 'greener' customers
- Cost-down on raw material

Axplas® and Axpoly® grades are available in 1 tonne polyester big bags on a pallet, other formats possible on request.

## Axion Polymers

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PARAMETER	TYPICAL PROPERTIES
MFI (21.6 kg @ 190°C)	9 g / 10 mins
Density	0.938 g / cm <sup>3</sup>
Tensile Strength	34 MPa
Impact (Izod)	85 kJ / m <sup>2</sup> NO break with 2.75 Joule hammer
Visual Appearance	Natural
Shred Bulk Density	0.32 g/cm <sup>3</sup>
Particle Size	20 -40 mm

**Disclaimer:** As a development grade, this product is not currently produced under our ISO9001 standards. The physical properties shown above could vary as we build up experience of recycling this material.