

## AXPOLY®

### Development Grade - HDPE21 1000

#### Description:

High purity moulding grade HDPE, in natural colour.

#### Source:

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

This exciting grade of HDPE material is now available in test market quantities. 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:

This product is the first-off production of a new line of HDPE resins for Axion. 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:

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

Axpoly® is available in 1 tonne polyester big bags on a pallet, other formats possible on request.

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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
Moisture	0.17

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.