

AXPOLY®

r-PS57 1000FR V2 is a flame retardant high impact polystyrene (HIPS FR grade).

Description:

High quality 100% recycled PS resin made from used printer consumables suitable for use in injection moulding and extrusion applications, retaining V2 flame retardant rating of source material.

Source:

Post-use, dry powder toner printer cartridges using polymer originally specified by leading brand OEMs under current European legislation. The recycled polymer is made entirely from short-life printer consumables produced to stringent quality and flame retardant standards.

Quality control:

Axpoly® r-PS57 1000FR resin has been produced in our high technology custom-designed plastics recycling plant that operates according to ISO9001 procedures. All printer cartridges are recovered from a controlled source.

Environment:

Recycled from 100% post-consumer waste plastic, Axpoly r-PS57 1000FR grade is ideally suited for closed-loop use in printing and office products. Other benefits include:

- Successfully replaces virgin resin
- Up to 80% CO₂ savings compared to virgin resin
- Cost down on raw material
- Appeals to 'greener' customers
- Can help to reduce your carbon footprint

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



PARAMETER	ISO	TYPICAL PROPERTIES
MFI 5kg @200°C	1133	6g/10 mins
Impact strength	180	9 kJ/m ²
Tensile strength	527 -1/2	26 MPa
Elongation @ break	527 -1/2	24%
Density	1183-1	1.08 g/cm ³
Bromine	XRF %	2%
FR performance	In-house UL94	V2

Disclaimer:

The physical properties quoted for this Axpoly grade may change as we build experience of recycling this material. Upper and lower limits for the measured physical properties can only be fixed after we have run sufficient batches under controlled ISO9001 procedures.

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