



## AXPOLY® PP51 1004

**Product information sheet:** Black copolymer polypropylene resin grade

**Description:** This 100% recycled polymer is a high quality injection moulding compound with improved impact strength, suitable for engineering components and load-bearing parts with good surface finish.

Export tariff code: 3902100010

### Product physical properties

Product grade: Axpoly® PP51 1004

Test parameter	Method	Unit	Value
Physical properties			
Density	ISO 1183	g/cm <sup>3</sup>	0.97
Rheological properties			
Melt Flow (2.16 kg @ 230°C)	ISO 1133	g/10mins	6
Mechanical properties			
Tensile strength (@ 23°C)	ISO 527	MPa	20
Elongation at break (@ 23°C)	ISO 527	%	35
Flexural Modulus (@ 23°C)	ISO 178	MPa	1200
Notched Izod Impact strength (@ 23°C)	ISO 180	kJ/m <sup>2</sup>	9

**Please note** this polymer is not approved for use in food, medical or toy applications. All grades are tested to ISO standards, and certified as ROHS and REACH compliant.

All Axpoly polymers are tested and have proven to be well below the permitted POPs levels of 500ppm for articles and mixtures, and do not contain phthalates.



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[www.axiongroup.co.uk/AxpolyPolypropylene](http://www.axiongroup.co.uk/AxpolyPolypropylene)

Indigo Street, Off Langley Road South, Salford. M6 6RX  
Tel. +44 161 737 6124  
E. [info@axionpolymers.com](mailto:info@axionpolymers.com)

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