



## AXPOLY® PP51 1004

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

**Description:** High quality injection moulding compound with improved impact strength 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)

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