

# Axpoly® r-PP51 1000

Polypropylene Copolymer

Axion Polymers

## Message:

r-PP51 1000 Black copolymer polypropylene resin grade

Axpoly® r-PP51 1000 polypropylene is a high performance polymer made from recycled automotive materials. The polymer has tightly controlled physical properties to meet the specific needs of end user applications such as moulded parts for motor vehicles.

Produced from 100% post industrial raw materials, this product fits closely with our other Axpoly® recycled resin grades and offers the same set of user benefits, including:

- Drop-in replacement for virgin resin
- Cost-down on raw material
- Stabile pricing - not linked to volatile oil market
- Sustainable features enhance customer appeal
- Integrated business model ensures secure supply

General Information			
Recycled Content	Yes		
Features	Copolymer		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	19.6	MPa	ISO 527-2
Tensile Strain (Break)	33	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	12	kJ/m <sup>2</sup>	ISO 180

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