

# Axpoly® r-PP51 1080

Polypropylene Copolymer

Axion Polymers

## Message:

r-PP51 1080 Black copolymer polypropylene resin grade, melt flow modified

Axpoly® r-PP51 1080 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:

Successfully replaces virgin resin

Huge savings in CO2 impact - at least 80%

Appeals to 'greener' customers

Cost-down on raw material

Can help to reduce your carbon footprint

General Information			
Recycled Content	Yes		
Features	Copolymer Good Flow		
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)	19	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.18	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	21.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.1	%	
Break	14	%	
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	7.9	kJ/m <sup>2</sup>	ISO 180

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Recommended distributors for this material

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