

# Axpoly® PS01 3009

High Impact Polystyrene

Axion Polymers

## Message:

PS01 3009 Impact Modified Polystyrene - Green

High quality polymer resin for use in injection moulding or sheet extrusion applications. This green version of our popular PS01 range is one example of the colour finish we can achieve when matching to customer supplied samples or defined pigment numbers.

Produced from 100% post-consumer 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 CO 2 impact - at least 80% less
- Appeals to 'greener' customers
- Cost-down on raw material

General Information	
Additive	Impact Modifier
Recycled Content	Yes
Features	Good Colorability
	Good Impact Resistance
	Impact Modified
Uses	Consumer Applications
	Sheet
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Appearance	Green
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.17	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	22.0	MPa	ISO 527-2
Tensile Strain (Break)	35	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	8.0	kJ/m <sup>2</sup>	ISO 180
Additional Information	Nominal Value	Unit	
Pellet Size	3.00	mm	

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Recommended distributors for this material

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