

Axpoly® PS01 3003

High Impact Polystyrene

Axion Polymers

Message:

PS01 3003 Impact Modified Polystyrene - Enhanced White

High quality polymer resin for use in injection moulding or sheet extrusion applications. The very consistent and reliable material properties of this near-white, impact resistant plastic make it the primary choice of leading manufacturers when replacing virgin material in consumer goods.

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 CO₂ impact - at least 80% less
- Appeals to 'greener' customers
- Cost-down on raw material
- Saves the Planet!

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

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	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 ²	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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