

Axpoly® PS01 3039

High Impact Polystyrene

Axion Polymers

Message:

PS01 3039 Black Impact Modified Polystyrene

High quality polymer resin specified and tested to meet the particular requirements of toy manufacturers. The consistent and reliable physical properties of this black, impact resistant plastic make it the primary choice of leading manufacturers when replacing virgin material in consumer goods and other durable products.

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	Durable		
	Good Colorability		
	Good Impact Resistance		
	Impact Modified		
Uses	Consumer Applications		
	Sheet		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
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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