

Axion Polymers Axpoly® PP06 5001 Enhanced Black General Purpose Polypropylene

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

PP06 Series polypropylene offer the designer and processor a high performance polymer with well-defined properties in a range of options to suit many applications. The Axpoly® PP06 range of resin compounds are processed to a high purity and give consistent material properties during injection molding and sheet extrusion. Produced from 100% post-consumer raw materials, this product fits closely with Axion's other recycled resin grades and offers the same set of user benefits, including: Successfully replaces virgin resin Huge savings in CO2 impact Appeals to 'greener' customers Cost-down on raw material Information provided by Axion Recycling

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axion-Polymers-Axpoly-PP06-5001-Enhanced-Black-General-Purpose-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	Typical; ISO 1183-1
	0.922 - 1.00 g/cc	0.0333 - 0.0361 lb/in ³	Spec; ISO 1183-1
Particle Size	2000 - 4000 µm	2000 - 4000 µm	Pellet Size
	3000 µm	3000 µm	Typical
Melt Index of Compound	12 g/10 min	12 g/10 min	Typical
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	9.0 - 16 g/10 min	9.0 - 16 g/10 min	Spec
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	Typical; ISO 527-1/2
	22.0 - 35.0 MPa	3190 - 5080 psi	Spec; ISO 527-1/2
Izod Impact, Unnotched (ISO)	7.00 - 11.0 kJ/m ²	3.33 - 5.23 ft-lb/in ²	Spec; ISO 180
	9.00 kJ/m ²	4.28 ft-lb/in ²	Typical; ISO 180

Processing Properties	Metric	English	Comments
Moisture Content	0.17 %	0.17 %	Typical
	<= 0.25 %	<= 0.25 %	Spec

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