

Axpoly® r-PP19 1022

Polypropylene Homopolymer

Axion Polymers

Message:

r-PP19 1022 Polypropylene resin grade with 30% glass fibre - Black

Axpoly® r-PP19 1022 is a high-performance grade of black homopolymer Polypropylene that has been reinforced with 30% glass fibre. The material exhibits excellent rigidity and strength and is designed for use in a variety of demanding end-use injection moulding applications. 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 CO 2 impact - at least 80%
- Appeals to 'greener' customers
- Cost-down on raw material

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Recycled Content	Yes		
Features	High Rigidity		
	High Strength		
	Homopolymer		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.2	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.17	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	28.0	MPa	ISO 527-2
Tensile Strain (Break)	6.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	7.4	kJ/m²	ISO 180
Additional Information	Nominal Value	Unit	
Pellet Size	3.00	mm	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

