

NEXUS BIO BIO-201

Biodegradable Polymers

Nexus Resin Group, LLC.

Message:

Injection Molding Grade Biodegradable Starch Resin

Nexus BIO-201 are granules in light yellow and come in cylindrical and round shape with slight fragrance. They absorb moisture easily and are easily decomposed by microbes. They are anti-static. The processing temperature of the granules is lower than that of conventional plastic. They are easily colored. Such resin can be processed alone into finished products without adding any other polyolefin materials.

Applications are for all kinds of injection molded products, like tableware, food tray, plates, drinking cups, plant nursery pots, disposable tableware, etc.

General Information			
Features	Antistatic		
	Biodegradable		
	Good Colorability		
Uses	Disposable Drinkware		
	Disposable Tableware		
	Lawn and Garden Equipment		
	Support Trays		
Appearance	Yellow		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10 to 1.25	g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR)	4.0 to 9.0	g/10 min	Internal Method
Moisture Content	0.60 to 1.2	%	Internal Method
Biobased Content	> 70	%	Internal Method
Hexane Extraction	< 4.0	%	Internal Method
Starch Content	> 50	%	Internal Method
Tear Strength	> 20.0	MPa	Internal Method
Thermal Shrinkage	< 2.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	> 80	%	Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	25	kJ/m ²	Internal Method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 90.0	°C	Internal Method

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

