



NEXUS BIO-201

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.

Typical Properties

Testing Item	Standard	Unit	Result
Appearance	Q/320113SSD001-2002		Light yellow
Density	GB 1033	g/cm ³	1.10 - 1.25
Moisture Content	Q/320113SSD001-2002	%	0.6 - 1.2

Melt Flow Index	GB 3682	g/10 min	4 to 9
Tear Strength	GB 1040	MPa	≧ 20
Elongation	GB 1040	%	≧ 80
Starch Content	Q/320113SSSD001-2002	%	≧ 50
Bio Material Content	Q/320113SSSD001-2002	%	≧ 70
N-Hexane Extracts	GB/T5009.58	%	≦ 4.0
Rockwell Hardness	GB 9342	R Standard	80
Impact Strength	GB 1843	Kj/m ²	25
Thermal Shrinkage	GB/6671	%	<2
Softening Point	GB/1633	°C	>90

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