

## DP-7125

### Product Manual

Biodegradable in-mold crystallization injection modified resin, mineral powder filler 25%

### Features and Application Fields

The material has the characteristics of high toughness, high strength, strong bending resistance, can be bent more than 90 ° without breaking, can be completely degraded, and has strong antibacterial properties; it conforms to DIN certification, EN13432, GB4806.7, and FDA testing standards. It is used in injection molding products such as disposable cutlery, spoon, chopsticks, etc.

### Typical Performance

Test Items	Test Conditions	Standard Test	Unit	Reference
<b>Basic physical characteristics</b>				
Relative density	/	ISO 1183	g/cm <sup>3</sup>	1.38
Melt flow rate	190°C, 2.16kg	GB/T 3682	g/10min	22
<b>Mechanical behavior</b>				
Tensile strength	23°C, 50mm/min	ISO 527	MPa	31
Elongation at break	23°C, 50mm/min	ISO 527	%	0.9
Heat distortion temperature	/	GB/T 1634	°C	80.9
Bending strength	23°C, 2mm/min	GB/T 9341	N/mm <sup>2</sup>	56.4
Notched impact strength	23°C, 2.75J	GB/T 1843	KJ/m <sup>2</sup>	4.61
<b>Recommended processing conditions</b>				
Drying temperature				80°C
Drying time				4-6H
Processing temperature				165°C—190°C
Mold temperature				80°C—90°C

Note: This typical physical property is not a sales specification.