

DP-9525

Product Description

Fully Biodegradable High Toughness Injection Modified Resin

Features and application fields

The material has excellent mechanical properties, can be completely degraded, and has strong bacteriostatic properties; the temperature resistance of the product can reach 110 °C. It can be used as a heat-resistant sheet for plastic products such as water cups and chopsticks.

Typical performance

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
Proportion	/	ISO 1183	g/cm ³	1.47
The melt flow rate	190°C, 2.16kg	GB/T 3682	g/10min	2
Mechanical behavior				
Tensile Strength	23°C, 50mm/min	ISO 527	MPa	54.3
Elongation at break	23°C, 50mm/min	ISO 527	%	14.8
Heat distortion temperature	/	GB/T 1634	°C	66.2
Bending strength	23°C, 2mm/min	GB/T 9341	N/mm ²	74.2
Notched Impact Strength	23°C, 2.75J	GB/T 1843	KJ/m ²	7.83
Recommended processing conditions				
Drying temperature			°C	80
Drying time			h	2-4
Processing temperature			°C	165-190
Mold temperature			°C	80-90

Note: This typical physical property is not a sales specification