

DP-9325

Product Description

Fully biodegradable secondary crystallization sheet modified resin

Features and application fields

The material has excellent toughness, is not easy to crack, can be completely degraded, and has strong antibacterial properties; through secondary crystallization, the temperature resistance can reach 130 °C; it conforms to DIN certification, FDA testing, REACH testing, national standard GB18006.1-2009 and other standards. Used in plastic products such as lunch boxes, cup lids, nursery cups, etc.

Typical performance

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
Proportion	/	ISO 1183	g/cm ³	1.42
The melt flow rate	190°C, 2.16kg	GB/T 3682	g/10min	1
Mechanical behavior				
Tensile Strength	23°C, 50mm/min	ISO 527	MPa	53.6
Elongation at break	23°C, 50mm/min	ISO 527	%	19.4
Heat distortion temperature	/	GB/T 1634	°C	90.5
Bending strength	23°C, 2mm/min	GB/T 9341	N/mm ²	73.3
Notched Impact Strength	23°C, 2.75J	GB/T 1843	KJ/m ²	9.15
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