

## DP-9340

### Product Description

Fully biodegradable transparent sheet modified resin

### Features and application fields

The material has high transparency, excellent toughness, is not easy to crack, can be completely degraded, and has good antibacterial performance; it meets DIN certification, FDA testing, REACH testing, national standard GB18006.1-2009 and other standards. Applied to plastic products such as disposable transparent cups, lunch box lids, etc.

### Typical performance

Test item	Test condition	Test standard	Unit	Reference
<b>Basic properties</b>				
Proportion	/	ISO 1183	g/cm <sup>3</sup>	1.24
The melt flow rate	190°C, 2.16kg	GB/T 3682	g/10min	25
<b>Mechanical behavior</b>				
Tensile Strength	23°C, 50mm/min	ISO 527	MPa	47.5
Elongation at break	23°C, 50mm/min	ISO 527	%	1.2
Heat distortion temperature	/	GB/T 1634	°C	41
Bending strength	23°C, 2mm/min	GB/T 9341	N/mm <sup>2</sup>	61.6
Notched Impact Strength	23°C, 2.75J	GB/T 1843	KJ/m <sup>2</sup>	2.1
<b>Recommended processing conditions</b>				
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