

## Technical Data Sheet

### DP-5140

#### Products Description

Fully Biodegradable transparent straw resin

#### Specialty&Application

Material transparency, high strength & toughness, can be completely degraded; Products are not easy to deform; Comply with DIN certification, EN13432, GB4806.7, FDA testing standards. Applied to transparent straight straw and other disposable straw products.

#### Typical performance

Test Program	Test Condition	Test Standard	Unit	Reference No.
<b>Basic Properties</b>				
Proportion	/	ISO 1183	g/cm <sup>3</sup>	1.23
MFR	190°C, 2.16kg	GB/T 3682	g/10min	8
<b>Mechanical Properties</b>				
Tensile strength	23°C, 50mm/min	ISO 527	MPa	50
Elongation	23°C, 50mm/min	ISO 527	%	25
HDT	/	GB/T 1634	°C	53
Flexural Strength	23°C, 2mm/min	GB/T 9341	N/mm <sup>2</sup>	75
NIIS	23°C, 2.75J	GB/T 1843	KJ/m <sup>2</sup>	2.8
<b>Suggested Process Condition</b>				
Dry Temp			°C	80
Dry Time			h	4-6
Process Temp			°C	180-210

**NOTE:** This typical property is not considered as a sales specification