

## DP-5124

### Product Description

Fully biodegradable straight straw resin, mineral fillers 20%

### Specialty&Application

The material has excellent mechanical properties and can be fully degraded. Products are not easy to deform; Comply with DIN certification, EN13432, GB4806.7, FDA testing standards. Used in straight straw, milk tea straw and other disposable straw products

### Typical performance

Test Item	Test Condition	Test Standard	Unit	Reference No.
<b>Basic properties</b>				
Proportion	/	ISO 1183	g/cm <sup>3</sup>	1.36
MFR	190°C, 2.16kg	GB/T 3682	g/10min	3.8
<b>Mechanical Properties</b>				
Tensile strength	23°C, 50mm/min	ISO 527	MPa	42.5
Elongation	23°C, 50mm/min	ISO 527	%	20.8
HDT	/	GB/T 1634	°C	55.3
Flexural Strength	23°C, 2mm/min	GB/T 9341	N/mm <sup>2</sup>	60.3
NIIS	23°C, 2.75J	GB/T 1843	KJ/m <sup>2</sup>	10.5
<b>Suggested Process Condition</b>				
Dry Temp			°C	80
Dry Time			h	4-6
Process Temp			°C	165-185

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