

DP-8100

Product Description

Fully biodegradable transparent packaging bag modified resin

Features and application fields

The material can be completely degraded, natural antistatic; the product has high transparency. Used in film bag products such as clothing packaging bags

Typical performance

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
Proportion	/	ISO 1183	g/cm ³	1.23
The melt flow rate	190°C, 2.16kg	GB/T 3682	g/10min	3.2
Mechanical behavior				
Tensile Strength	23°C, 50mm/min	ISO 527	MPa	23.3
Elongation at break	23°C, 50mm/min	ISO 527	%	530

Film properties

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
Thickness			mm	0.03
Mechanical behavior				
Tensile strength (longitudinal)	23°C, 500mm/min	ISO 527	MPa	39.7
Elongation at break (longitudinal)	23°C, 500mm/min	ISO 527	%	157
Tensile load (longitudinal)	23°C, 500mm/min	ISO 527	N	7.1
Tear strength (longitudinal)	23°C, 200mm/min	QB/T 1130	N/mm	100.4
Tensile strength (transverse direction)	23°C, 500mm/min	ISO 527	MPa	28.4
Elongation at break (transverse direction)	23°C, 500mm/min	ISO 527	%	304
Elongation at break (transverse direction)	23°C, 500mm/min	ISO 527	N	5.4
Tear strength (transverse direction)	23°C, 200mm/min	QB/T 1130	N/mm	111.4

Recommended processing conditions

Drying temperature	°C	80
Drying time	h	2-4
Blown film temperature	°C	145-165

Note: This typical physical property is not a sales specification