

DP-8113

Product Description

Fully biodegradable plastic film modified resin, induction period > 120 days

Features and application fields

The material can be completely degraded; the product has low water vapor transmission rate, good temperature and moisture retention effect, good toughness, and supports mechanical laying; it has passed DIN certification, REACH testing, national standard GB/T 35795-2017 and other industry standards. Used in film bag products such as civilian mulch

Typical performance

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
Proportion	/	ISO 1183	g/cm ³	1.22
The melt flow rate	190°C, 2.16kg	GB/T 3682	g/10min	2.5
Mechanical behavior				
Tensile Strength	23°C, 50mm/min	ISO 527	MPa	20
Elongation at break	23°C, 50mm/min	ISO 527	%	1075

Film properties

Test item	Test condition	Test standard	Unit	Reference
Basic properties				
Thickness			mm	0.01
Mechanical behavior				
Tensile strength (longitudinal)	23°C, 500mm/min	ISO 527	MPa	42.6
Elongation at break (longitudinal)	23°C, 500mm/min	ISO 527	%	179
Tensile load (longitudinal)	23°C, 500mm/min	ISO 527	N	3.5
Tear strength (longitudinal)	23°C, 200mm/min	QB/T 1130	N/mm	1.7
Tensile strength (transverse direction)	23°C, 500mm/min	ISO 527	MPa	49.1
Elongation at break (transverse direction)	23°C, 500mm/min	ISO 527	%	570
Elongation at break (transverse direction)	23°C, 500mm/min	ISO 527	N	3.8
Tear strength (transverse direction)	23°C, 200mm/min	QB/T 1130	N/mm	1.2
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

