



Test Report (C1812BF-04)

Development Grade

Product description:

C1812BF-04 is a bioplastic compound specially developed for general blown film application. All components in this compound comply with compostable plastic standard, EN13432. This compound is recommended for general non-food contact film applications, such as shopping bag, garbage bag, industrial packaging, mulch film, etc.

Property	Value	Method
Density (g/cm ³)	1.55	ASTM D792
MFR (g/10min)	< 6.0	ASTM D1238
Tensile modulus (MPa)	MD 582 TD 451	ASTM D882
Ultimate tensile strength (MPa)	MD 16 TD 15	ASTM D882
Elongation at break (%)	MD 190 TD 430	ASTM D882
Tear strength (gf)	MD 260 TD 73	ASTM D1922
Dart impact (g)	232	ASTM D1709

Note:

Extrude sample for density measurement

MFR @ 190°C; 2.16kg

Film sample 35micron

Tensile testing Speed = 500 mm/min

MD = Machine direction

TD = Transverse direction