



YJ 金余
JINYU 余

POP[®]

ECO - BIODEGRADABLE MATERIAL
CELLULOSE ACETATE MANUFACTURER



www.jinyuplastic.com

PLASTIC POLLUTION

The plastic begins to break down until it turns into small fragments known as microplastics. Plastics are a serious threat, because they degrade very slowly, entangle sea creatures, damage habitats like coral reefs, and are ingested by marine animals. Researchers have documented impacts of plastic on over 650 different marine species – including sea turtles, seals, whales, dolphins, porpoises, seabirds, and fish.

Periods of decomposition of different types of plastic	
Plastic bag	10-100 years
Cocktail straw	100-500 years
Plastic bottle	450-1000 years
Bottle to store the detergent	500-1000 years
Fishing line	600 – years

ECO Cellulose Acetate POP[®] Material

Plan Of Protection

P = Pure

O = Organic

P = Preeminent

The demand of ECO - Biodegradable material is growing quickly according to the market and environment requirements. To adapt to the environmental requirements of market and provide more choices for customers ' selection, we are offering the new developments of ECO Cellulose Acetate - POP[®] Material.



Pure

FSC certified

POP[®] material, based on substances which occurred in nature, extracted cellulose from wood. The raw material is verified by Forest Stewardship Council[®] (FSC[®]), which certify our product(s) is safe, lawful, and technically suitable in the intended applications.

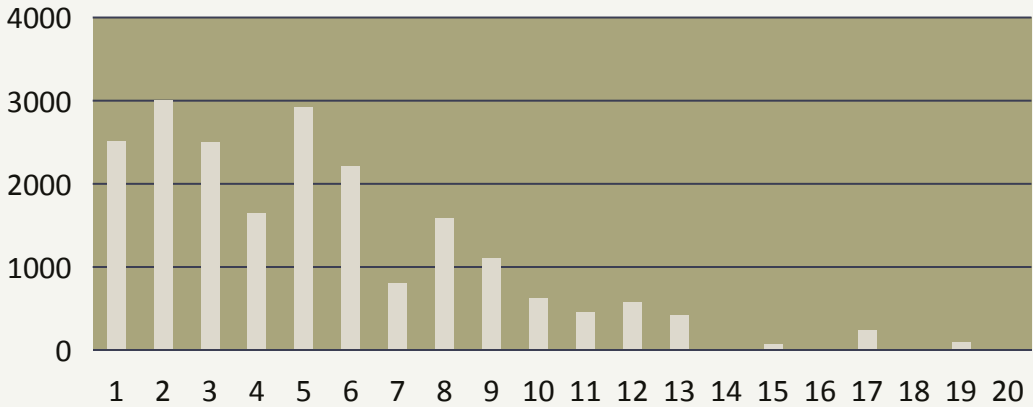


Organic less phthalates

POP® material proccessed with organic plasticizer, which contains less phthalates (DEP<1%) and biodegradable as well.

Composition of Diethyl Phthalate (DEP)	UNIT	Content
POP® Material	%(W/W)	< 1% (10000ppm)
JIN YU General Materials	%(W/W)	> 25% (250000ppm)

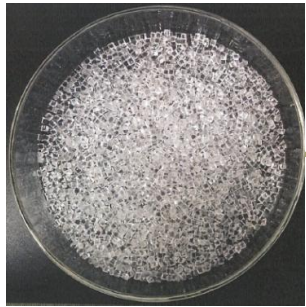
DEP content of POP material (ppm)
0.0001%=1ppm



Organic

Bio-degradable

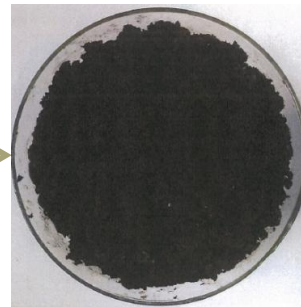
ISO 14855-1:2012 Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions - Method analysis of evolved carbon dioxide.



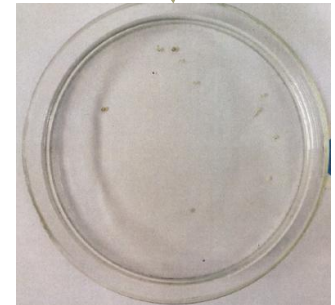
POP granule KM200015-01



KM200015-01 and compost before test



KM200015-01 and compost after test
(150 days)



washed KM200015-01 after test
(150 days)

Preeminent

Testing	STD	General Scope	POP® Scope
Rockwell Hardness	GB/T 3398.2-2008/R ISO 2039-2:1987/R	70~100	90~100
Tensile Property	GB/T 1040.2-2006/1B/20	30~38	34~43
Flexural Property	GB/T 9341-2008 ISO178-2010	35~40	35~50
Charpy Impact Property	GB/T 1043.1-2008/1/e/A ISO179-1:2010/1/e/A	12~20	20~48
Shrinkage Ratio	140°C+15~20min	≤3%	≤3%

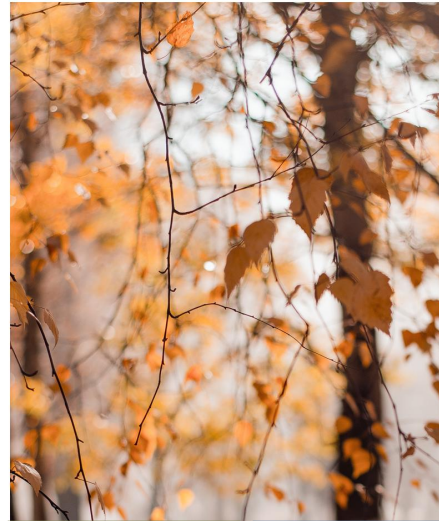
Hardness is higher than general material, thin frames would be a good choice

Feasible to be compatible with PC lens

B-BIO-FIELD



E-BIO-AUTUMN SCENERY



B-YHDT1214

B-YHDT1215

B-YHDT1216

B-YHDT1217

B-YHDT1218

B-YHDT1219

E-BIO-HAUNTING





Thank you for your concern
each of us can contribute to the future of the world

POP®

ECO - BIODEGRADABLE MATERIAL

born out of nature and goes back to nature