




Guangzhou Kingfa Sci & Tech Co., Ltd

Biodegradable Plastics

Introduction



1. Kingfa is the largest plastic compound manufacturer in China. It covers the most complete plastic compounds in the world.
 2. Kingfa was founded in 1993. In 2007, Kingfa has qualified 350,000 tons of modified production capacity and with over 1 billion US Dollars turnover. Kingfa is a public company(600143) with 4,000 employees. We have 40 doctors and 100 masters doing R&D job.
 3. Since 2002, Kingfa has been developing biodegradable plastics. Up to now there have been 5 types of biodegradable plastics: Film, Injection Film, Blowing Film, Foam Sheet and Vacuum Forming.
 4. Kingfa's biodegradable plastics has been approved by BMG China and meet the standard of EN13432 and ASTM 6400.
- 

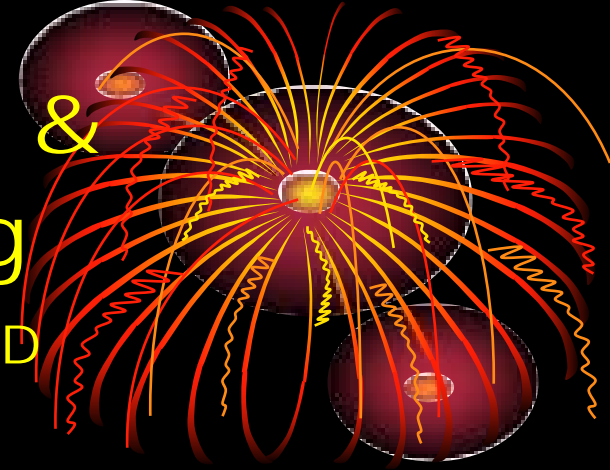
Biodegradable Plastic Raw Material



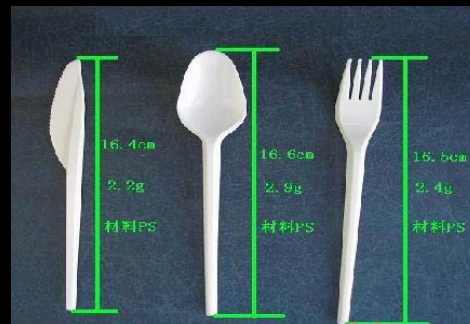
Items	Units	PBS-M	Flex-262	Flex-362	Flex-462/64D	Flex-962/82D	DPBS-30
Density	g/cm ³	1.24	1.25	1.25	1.25	1.25	1.49
HDT(0.45MPa)	°C	95	68	70	70	72	101
Melting Point	°C	113	126	129	132	137	115
MFR(190°C)	g/10min	2-9	5-8	5-8	5	5	9
Tensile Strength	MPa	24	26	30	35	44	25.7
Elongation	%	400	320	310	270	50	82
Flexural Strength	MPa	20	21	23	26	62	34
Flexural Mod.	MPa	610	750	810	970	2407	1590
IZOD Notched	KJ/m ²	NB	NB	NB	80	9.5	8.2

Injection Moulding & Vacuum Forming

Grade: PBS-HR Flex-64D



Plate



Knife/Spoon/Fork



Cup



Container



Food Container



Appliance use

Film

Grade: Flex-262 Flex-82d



Rubbish Bag



Shrinkable Film



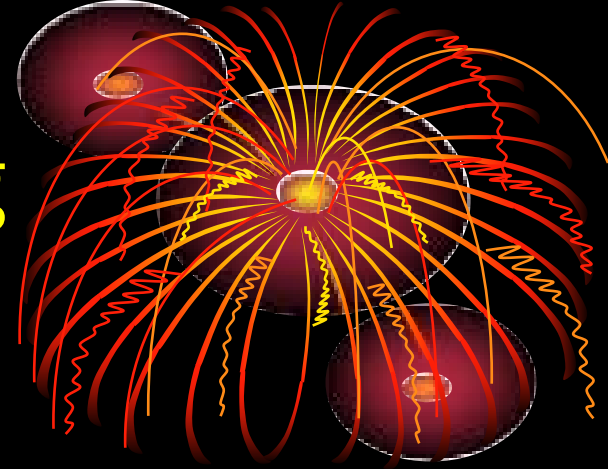
Shopping Bag



Agricultural Film

Blowing Moulding

Grade: **Flex-82D**



Medical /Pill
Bottle



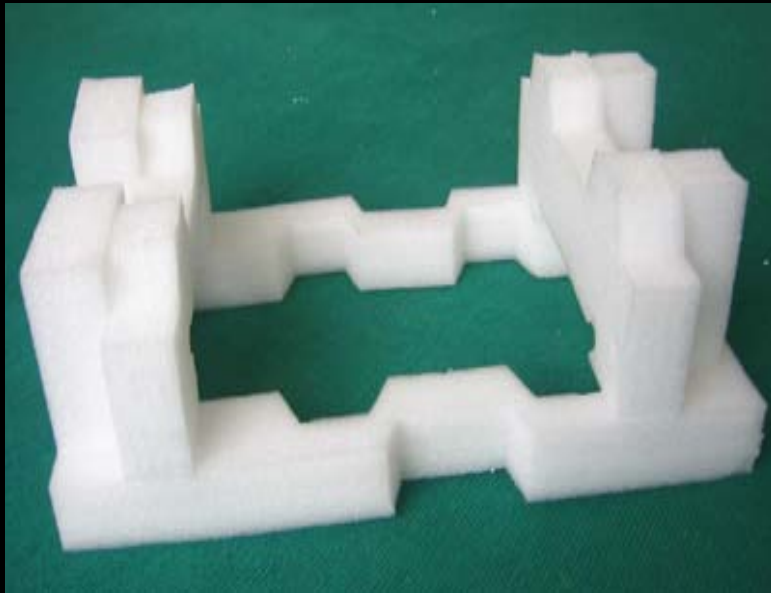
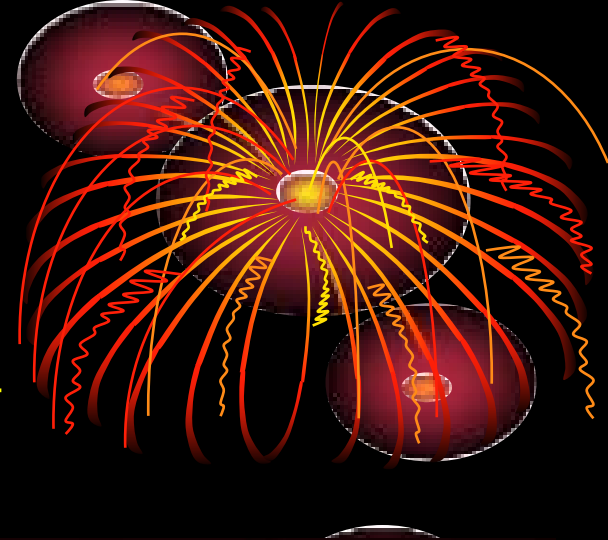
Chemical Bottle



Chewing Gum Bottle

Foam Sheet

Grade: Flex-96F



Anti-Vibration Foam



Foamed Plate

Characteristics and Performances



- Above pictures are for reference only, size, color and design can refer to customers' request.
- Performance of strength and processing condition is similar to PP,PE.
- 100% biodegradable according to EN13432, without any amylum filler.
- Easily to be printed
- Can be processed in conventional processing lines.