

Biomaterial Industry in China

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Abstracts

Biomaterial industry is growing rapidly in China. Biodegradable plastics are the major biomaterials that have been put into industrial production. As of 2015, there were mainly six types of biodegradable plastics being produced in China, namely polylactic acid (PLA), polybutylene succinate (PBS), polyhydroxyalkanoates (PHA), starch-based materials, polypropylene carbonate (PPC) and polycaprolactone (PCL). As for other bio materials, only bio-polyamide (bio-PA) and bio-polytrimethylene terephthalate (bio-PTT) have been put into industrial production.

In 2015, the Chinese capacity and output of these biodegradable plastics reached about 678,710 t/a and 170,960 tonnes, respectively.

Currently, in China, some downstream applications of biodegradable plastics are developing rapidly. Particularly, biodegradable agricultural film and 3D printing are two major downstream applications of biodegradable plastics that Kcomber thinks highly of.

In 2015, the total domestic output of agricultural film was 2.3 million tonnes, with an average annual growth rate of about 12% between 2011 and 2015. At present, more than 90% of the agricultural film in China is non-degradable agricultural film with PE as a major raw material. Supposing bio-based agricultural film will gradually replace traditional agricultural film, biomaterials will embrace a great opportunity for development.

From 2012 to 2015, the domestic market value of 3D printing grew with a CAGR of nearly 100%, reaching USD1.2 billion (RMB7.8 billion). This has brought a great demand for PLA, the major raw material of 3D printing.

It is predicted that, between 2016 and 2020, the domestic demand for biodegradable

plastics from agricultural film and 3D printing industries will increase with a CAGR of over 10% and 20% respectively.

In addition, since 2012, the central and local governments in China have launched 8 policies in total to promote biomaterials in China, including providing special funds and prohibiting the production, sale and use of non-degradable shopping bags and tableware. As planned, the Chinese government will continue to support the use of biomaterials, and therefore the domestic demand for these products will undoubtedly be driven up.

If you are interested in entering or knowing more about the biomaterial industry in China, you could check out Kcomber's newly released report: Biomaterial Industry in China.

In this report, you will be able to find your answers as we will show you:

Detailed research on supply, export and price about six major biodegradable plastics in China

Kcomber's forecast and outlook on the whole biomaterials industry in China

Company profile on 13 major biomaterials manufacturers in China

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COMPANIES MENTIONED

Zhejiang Hisun Biomaterials Co., Ltd., Shanghai Tong-Jie-Liang Biomaterials Co., Ltd., Kingfa Sci. & Tech. Co., Ltd., Zhejiang Hangzhou Xinfu Pharmaceutical Co., Ltd., Tianjin Green Biosciences Co., Ltd., Shenzhen Ecomann Biotechnology Co., Ltd., Wuhan Huali Environmental Technology Co., Ltd., Shenzhen Rainbow Fine Chemical Industry Co., Ltd., Taizhou Bangfeng Plastic Co., Ltd., Jiangsu Zhongke Jinlong Chemical Co., Ltd., Shenzhen Esun Industrial Co., Ltd.

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