



What is BOPP Plastic?

BOPP stands for biaxially oriented polypropylene. Some kind of polypropylene (PP). Polypropylene is a thermoplastic polymer that is alternately known as polypropene. It has an ideal printing surface and can be made into labels and stickers as well as textiles and a number of different plastic parts and materials. BOPP is polypropylene, which is essentially flattened stretched. The BOPP was guided by a system that stretches it in two directions. This is where the dir biaxially oriented (BO) li part of the BOPP comes. The three most common processes for performing the BOPP are the tension frame sequential operation, the synchronous tension frame direction and the double bubble process. This technical document from Brueckner-Maschinenbau, one of the oldest BOPP manufacturers, describes these processes in more detail. The main material of BOPP PP is the world's most widely produced synthetic plastic after polyethylene (PE). It is economical to produce while offering incredibly useful performance features. Common applications for polypropylene and BOPP are:

- Packaging labels
- Food containers
- Plastic threads
- Medical grade plastics
- Laboratory products
- Performance textiles

What are the characteristics of the BOPP film?

BOPP shares the properties of other PP plastics, including strength, fatigue resistance, moisture resistance, very low toxicity, flexible finishing options and controllable transparency (manufacturers can make BOPP clear, opaque, or make any transparency between them). While stickers and decals are easy to make and print easily, most of the ready-to-use adhesives are hard to fit into the material. These features are excellent for long-lasting, food safety labels and other general BOPP film applications.



BOPP1



BOPP2



BOPP3



BOPP4