

Bopp Films

Bopp is a bi-axially oriented polypropylene film designed for flexible packaging and label applications. OPP, oriented polypropylene, is a flexible material derived from melting and orienting a polymer called polypropylene. This raw material, an oil by-product, is inert and unaffected by most chemical agents occurring in daily life. Biaxially oriented means that the polypropylene film is stretched in both the machine direction and across machine direction.



Features

The main feature of BOPP films are improved stiffness, high tensile strength, excellent optics and good water barrier properties. They range from 15 to 50 microns and are most commonly 15 to 30 microns. These films can be monolayer or coextruded structures, and transparent, opaque, or metalized. They also have the advantage of being non-toxic and fully recyclable.

BOPP films are printed out of new printing technology, Indigo Omnius. They provide excellent UV light protection, humidity, aroma and light barriers. They have superior strength at low gauges, flatness, clarity and excellent printability. They can be treated with acrylic and PVDC coatings for better seal ability and barrier properties. The films use mainly homopolymer PP and random copolymer PP.

Applications: BOPP films and packaging

BOPP films are ideal for twist-wrap applications and in laminations for use on vertical and horizontal machines. They can also be used for decorative purposes. They are used in an almost limitless array of flexible packaging applications, pressure sensitive tapes, labels, stationery, metalizing, consumer products and a wide variety of packaging uses.

They are widely used for gift and flower wrapping, paper lamination, textile packaging, release film for melamine plates and plate film packaging. Also used as the anti-counterfeit covering film on the packaging cases. Various packaging products like packaging pouches, packaging bags, electronic packaging, and industrial packaging are produced by BOPP films. In fact aluminum foils and aluminum sheets have good combinations of BOPP films to produce efficient packaging material.