



What is Polyethylene Terephthalate (PET)?

PET is an excellent water and moisture barrier material which is widely used in plastic bottles for soft drinks. For some special bottles, such as those specified for beer storage, PET creates an additional layer of polyvinyl alcohol (PVOH) to further reduce oxygen permeability.

The biaxially oriented PET film (commonly referred to as "Mylar", a trade name), can be aluminized by evaporating a thin metal film onto it to reduce its permeability and make it reflective and opaque (MPET). These features are useful in many applications, including flexible food packaging and thermal insulation. See tan space blankets Bak. Due to its high mechanical strength, it is frequently used in tape applications such as polyester film / PET film, magnetic tape carrier or support for pressure-sensitive adhesive tapes.

Non-directed PET sheets can be thermoformed to make packing trays and blister packs. If the crystallizable PET is used, the trays can be used for frozen dinners as they can withstand both freezing and firing temperatures. It tends to be black against amorphous PET, which is transparent, crystallizable PET or CPET.

When filled with glass particles or fibers, PET hardens significantly and becomes more durable.

Our polyester films can be used for a variety of end uses. PET is also used as a substrate in thin film solar cells.



PET1



PET2



PET3



PET4