

We are aware that information regarding the shelf life and utilization of packaging films are requested by the market. There is also some general market opinion and views that tend to follow the requirements of only standard films. However today with the developing technologies there are many special films being produced that combine different structural features and the shelf life of these films will relate to their performance criteria. This technical information sheet is prepared in order to provide general information about the shelf life of the films produced by Super Film.

The first important criteria which will affect the film performance and shelf life are the storage conditions. A warehouse environment at ambient storage condition for flexible plastic packaging films is strictly recommended. However a storage temperature should not exceed 35 °C and ambient humidity should be maximum 60%. Any excessive heat and/or humidity can lead to different problems and performance issues of such films.

In particular, if the temperature difference varies due to seasonal change or day & night temperature, physical changes may occur with a flexible packaging film and physical deformation such as bagginess, slack edge for example might be encountered. Therefore to have a storage area that has minimum temperature variation would be advantageous.

We would also wish to emphasize that flexible films should not be exposed to direct sunlight for any long-term time period. On this point you can find more information in our “ Stocking Conditions Documents” which can be obtained from our sales department.

The following table is intended to advise the recommended storage periods (shelf life) of the films to maintain the required treatment levels which is also referred as surface tension, wetting tension, dyne level or corona level and to ensure excellent performance efficiency for special films. These storage periods are valid if the above mentioned storage conditions are also met.

The stocking period so advised and recommended is to ensure the minimum corona level as stated in our data sheets that will also ensure the best adhesion level for printing, coating & other processing. Please contact our sales department to receive the relevant data sheets showing the range of specification values including minimum corona levels.

FILM TYPE	STORAGE TIME	EXPLANATION
<b>BOPP FILM</b>		
Non heat seal transparent films	6 months	
Heat sealable transparent films	12 months	
Both sides treated transparent films	3 months	High quality winding is necessary at both sides treated film in addition to very good drying at printing, coating, cold seal and etc application. It is avoided to direct contact of processed side with other treated side.
Pearlized and white films	6 months	These films have a tendency of absorb moisture more than other films because of their structure. Therefore they must be protected from moisture.

## STORAGE PERIODS (SHELF LIFE) OF PLASTIC PACKAGING FILMS LIST

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Both sides treated pearlized and white films	3 months	High quality winding is necessary at both sides treated film in addition to very good drying at printing, coating, cold seal and etc application. It is avoided to direct contact of processed side with other treated side.
Metallized films	6 months	There is no corona guarantee for metallized side of the film. We recommend using suitable primer before printing process at metallized side.
Both sides treated metallized films	3 months	There is no corona guarantee for metallized side of the film. We recommend using suitable primer before printing process at metallized side.
<b>Multi layer CPP and BARRIER FILM</b>		
One side treated films	3 months	CPP films are formulated with high additive content, mainly slip. Slip additives are migrated to surfaces by the time and may hinder to get actual treatment level by corona solutions applied. We advise to use corona pen to check treatment level and possibly apply ink adhesion test to verify. Inline corona treatment is advised before printing process if shelf life of CPP films are above 3 months.
Multi layer high barrier films	6 months	
<b>BOPET FILM</b>		
One side treated films	9 months	
One side chemical coated films	12 months	
Both sides treated transparent films	6 months	
One side treated other side chemical coated films	6 months	
One side heat sealed films	6 months	
Metallized films	3 months	
<b>BIODEGRADABLE BOPET FILM</b>		
One side treated films	3 months	
<b>BIODEGRADABLE BOPP FILM</b>		
One side treated films	3 months	
<b>COATED FILMS</b>		
Peelable	6 months	
Barrier BOPET Films	6 months	
Barrier BOPP Films	6 months	
Acrylic Coated BOPP Films	6 months	
<b>ANTIFOG FILMS</b>		
<b>BOPA FILM</b>	6 months	
<b>ADHESIVE TAPE</b>	12 months	

The information given is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Given information is to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customer to determine final suitability for their specific end uses. Also be advised that given information shall not be construed as an inducement or recommendation to use any process or to manufacture any product in conflict with existing, pending or future patents.

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