

Agfa Zirfon™ Perl UTP 500

Handling & Storage Guidelines

Version 3.2

■ *Handling Zirfon Perl separator membranes :*

Zirfon Perl separator membranes are composed of a polymer matrix with incorporated metal oxide particles and a reinforced open mesh fabric.

The reinforced fabric enables the handling and weight of single sheet separators of large sizes, e.g. diameters of 1,75m or rectangle sheets of various dimensions.

However care should be taken in how to manipulate the separator material during assembly.

Here are some guidelines which will help in preserving the best quality of the separators :

- Do not fold the separator
- In case of flat sheets, leave the separator package lying flat during storage
- In case of large separators, it is possible to roll up the separator sheet (min. diameter 50mm) to ease assembly or moving, but keep in mind to keep the separator humid at all times
- Do not use sharp objects on the separator surface as this might puncture the polymer layer
- Do not leave objects lying on the separator surface during assembly
- Do not put a concentrated weight on a pack of separators
- Do not drop any objects on the separator surface during assembly
- It is advised to support the separator membrane by a smooth, clean and flat plate during assembly in order to prevent creases or folding at the edge of the fixing surface
- Be sure to keep separators moist at all times
- Handle the separator with care.

■ *Regarding storage and humidifying :*

AGFA's Zirfon Perl separators are shipped with full moisture (demineralized water) content.

This way, after cutting them to your needs, they are immediately fit for use in your application.

In order to maintain the moisture content as high as possible, AGFA recommends to keep the packaging bags closed during storage, and to store the packages in a cool place out of the sun.

The original bags are suitable for longer storage. Use of a refrigerator is not necessary.

Temperature limits for storage: from 0°C (no frost) to 25°C.

Also, to maintain the best flatness characteristics, keep the separator sheets humid throughout the whole assembling process.

It is always possible to humidify the separators with demineralized water, either by immersion in a small bath, or by making use of a soft hand spray gun.

The reason for keeping Zirfon Perl separator membranes moist is that this preserves their elasticity and closed structure. When completely dry, they become brittle and hence more susceptible to cracking of the membrane structure.

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