Application Note

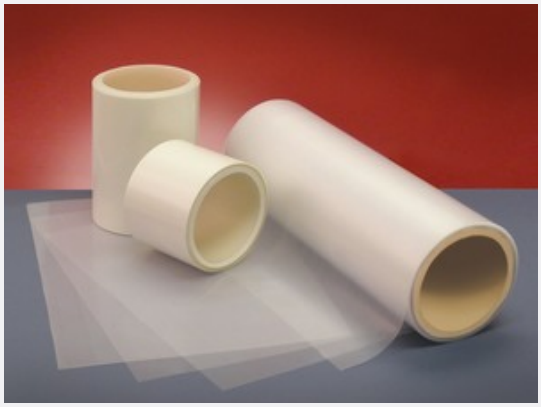
DeWAL® Skived PTFE Films Shelf Life, Storage & Handling

Best practices for shelf life, storage, and handling of DeWAL® PTFE films are critical in preserving product integrity. This Application Note will give you a few tips to help maintain product quality and ensure optimal material performance.

What is the shelf life of DeWAL PTFE films ?

The shelf life of DeWAL PTFE skived films is important to know as it guarantees product performance, safety, and quality during that time period.

The shelf life of DeWAL films depends on many factors, including whether the material was slit, how it was packed, and how it was stored (humidity and temperature control).



Shelf Life of DeWAL PTFE Films

DeWAL PTFE Films show little to no physical degradation for long periods, making them a stable and reasonable material to stock.

DeWAL PTFE Films are shelf stable. Stored under appropriate conditions the product will function as intended. Storage conditions are critical to material performance.

The shelf life may vary once the material is altered, such as if it is slit, laminated, or kept in extreme storage conditions.

Due to factors beyond the control of Rogers, the warranty for DeWAL PTFE films is one year from the date of manufacture.

The Best Way to Store DeWAL Skived PTFE Films

- Keep in original packaging
- Store in an environment of 16°C to 27°C (60°F to 80°F) and relative humidity of 40% to 75%

The Best Way to Store Skived DeWAL PTFE Films with Surface Treatments

Several DeWAL PTFE films are offered with a surface treatment that promotes bond-ability.

- Etched PTFE has a shelf life of one year
- For best performance, store the material in its original packaging for as long as possible before use

What happens if I have product that is past its shelf life?

If you have a product that is past its recommended shelf life, the material may be tested to verify the integrity of its physical properties, such as tensile strength and elongation.

The suggested course of action is comparing the physical properties test result values to the values listed on the Technical Data Sheets. Depending on the application requirements, and if no significant degradation of properties occurred, the material may still be utilized past its recommended shelf-life date. Consult with a Rogers Sales Engineer to discuss test methods, results and recommendations for your specific case.

Key Takeaways

- Ensure optimal material performance by adhering to its shelf-life date and best storage practices.
- Using DeWAL PTFE films past their shelf-life date may result in the degradation of physical properties, so testing is recommended to verify the product integrity.
- Contact a Rogers Sales Engineer to review test methods/results, storage recommendations or for any questions.

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0223-PDF • Publication #175-208
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