

# Frequently Asked Questions about Plexus

## Plexus:

- What is the shelf life for Plexus products?
  - 7 months at 24°C for most one to one formulations, and up to 13 months for many ten to one systems. Please refer to each product Technical Data Sheet for specifics\_ <https://itwperformancepolymers.com/data-sheets/technical-data-sheets>
- What is the typical Shore hardness of Plexus products?
  - 65 to 78 Shore D. The majority of Plexus products tend to be approximately 72 Shore D.
- What happens if I Freeze Plexus? Can I still use it?
  - If frozen, Plexus products will become very rigid, but still pliable. If you allow frozen product to heat back up to room temperature, nearly all Plexus materials will return to their original form and perform as expected. As a result, they may be used. If a product does not look smooth after recovering, it is not recommended to be used without first testing to ensure a proper cure.
- Can I store Plexus products above 24°C (75°F)?
  - Yes, for a short period of time. The product's catalyst, which is a peroxide, degrades with time and temperature. So, the warmer you store it, the shorter it will last. Please see the specific product's Technical Data Sheet for recommended storage conditions\_ <https://itwperformancepolymers.com/data-sheets/technical-data-sheets>
- Why is my Plexus product creating vapors when applied?
  - You are likely using the product within a joint larger than it was designed for, or you have a large amount of squeeze-out exceeding the gap capability of the particular Plexus product. Please see the product's Technical Data Sheet for recommended gap sizes.
- How do I reduce my usage of Plexus product?
  - Try to minimize your bond line gap. A narrower bond line will not only help save on adhesive and cost but will lower your product's weight and produce a higher quality final part.
- I see an indent/warpage on my part directly above where the adhesive was applied. What is this, and how can I minimize or eliminate this effect?
  - This effect is called "print-through" or "read-through". This can occur when the adhesive has reacted to the softening temperature of a substrate, or when upon curing the adhesive has shrunk, pulling the part down at the application site. To reduce or eliminate this phenomenon, try reducing your bond line gap. This will create a lower reaction temperature, leave less product to shrink, and lower your overall part cost. If this does not reduce or eliminate this effect, please see our product selection for a lower shrink product or contact our Technical Services department for assistance.

## General Questions

- Where can I find a Safety Data Sheet for one of your products?
  - <https://itwperformancepolymers.com/data-sheets/safety-data-sheets>
- Do you have more detailed product information available, such as mix ratio, operating temperatures, and application instructions?
  - These can be found in our Technical Data Sheets, which are available at <https://itwperformancepolymers.com/data-sheets/technical-data-sheets>
- Where can I get pricing information or purchase one of your products?
  - Please contact one of our distributors, which can be found at <https://itwperformancepolymers.com/distributors>