

## Nylon Product Shelf-Life Statement

Nylon material will absorb moisture when exposed to air. Without protective measures and prolonged exposure to air, the difference between series, SMD and Through-Hole lies only in the duration of moisture absorption.

The product must be stored under controlled conditions. If the allowed shelf life is exceeded or storage conditions cannot be maintained, it may affect the long-term reliability or processability of the components.

If the SMD (Surface Mount Device) components and through-hole components are packaged in vacuum-sealed roll form, their shelf life is 1 year from the date code of the products. The storage temperature must be maintained between +18°C and +28°C, with a relative humidity of 30%–70%. Additionally, the packaging must remain intact, free from tears or punctures, in order to maintain the vacuum seal. This will prevent product damage caused by moisture, mold, or other environmental factors, which could lead to variations during use.

Products from opened packaging should be used as soon as possible and completed within the valid period to avoid aging or performance degradation due to improper storage. If the product is not used immediately after opening the packaging, it should be baked at the recommended low-temperature baking conditions before use. This will help prevent any blistering issues that may occur after reflow soldering.

Products that have exceeded the storage period after product date code must undergo product inspection and confirmation before the shelf life can be extended for use.

### Product types, storage conditions and shelf life table

Product Plastic Material	Product Type	Packing method	Storage Condition	Reference Shelf Life
Nylon	SMD (Surface-Mounted Device) components	Tray Packaging (Vacuum package or Ordinary PE bag +desiccant )	Temperature: +18°C~ +28°C Humidity : 30%-70%	12 months
		Reel Packaging ( Vacuum package or Ordinary PE bag +desiccant )		12 months
	DIP (Dual In-line Package) through-hole components	Tray Packaging	Temperature: +18°C~ +28°C Humidity : 30%-70%	6 months
		It is recommended to use wave soldering process. If reflow soldering process is required, please follow the corresponding product baking conditions for operation.		

### Product storage time and recommended baking Temperature/Time prior for Reflow Soldering

Product Plastic Material	Packing method	Storage time since date code	Baking Method
Nylon	Tray Packaging	6 months	40°C 12 Hrs. (With Tray)
	Reel Packaging	1 year	55°C 8 Hrs. (With Reel)
	The product can be baked directly 120°C 2Hrs (The appearance of the product will slightly change color.)		