SHELF LIFE OF DRY PACKED INTEGRATED CIRCUITS

Shelf Life
Nordic Semiconductor’s parts are generally shipped in moisture-barrier bags (MBB) labeled with a specific indication of calculated shelf life for the components in question.

Unless otherwise expressly noted, shelf life expectancy for dry packed parts is a minimum of 2 years from bag seal date, provided storage conditions are < 40°C and < 90% RH. Within this period, and as long as the Humidity Indicator Card (HIC) does not indicate a need for re-baking, it is safe to reflow components per original MSL rating.

Prolonged Storage
Customers that may require storage beyond standard shelf life are advised to follow all relevant recommendations outlined in JEDEC publication JEP160.

Following prolonged storage, products in question should be subjected to relevant tests prior to board assembly, including but not limited to:

- Solderability Test (JESD 22-B102, J-STD-002 or similar test),
- Functional Test

Humidity Indicator Card (HIC)
Before opening, the MBB should be inspected for punctures or openings of any kind that might expose its contents. If openings are found, and the HIC indicates maximum humidity has been exceeded, be it within or beyond the Standard Shelf life, the parts in question should be re-baked according to IPC/JEDEC J-STD-033 and otherwise be subjected to relevant testing prior to use, ref. "Prolonged Storage" above.

Date Code policy
Nordic Semiconductor’s standard policy for integrated semiconductor devices is to ship products with assembly date codes no older than 5 years.

Warranty
Nordic Semiconductor’s warranty terms are outlined in the company’s Standard Terms & conditions.
Important Notes

- The provisions of this document apply to products shipped on or after its effectivity date only.
- These conditions are subject to change without prior notice.
- Unanticipated factors other than moisture sensitivity can affect the total shelf life of components

For any further inquiries relating to this statement, please contact your local sales representative.