

enlighten- Microcellular Polyurethane Materials

Recommended Storage Conditions

Cellular polyurethane materials have been in existence for many years and when stored properly, it is generally accepted that these materials have long shelf lives. Past experience has shown that the environment in which these materials are stored can have a significant impact on overall storage life. Elevated temperatures, high humidity, and direct exposure to UV radiation are the most common conditions that can have a direct adverse effect on the physical properties of these materials. The time frame in which physical properties begin to deviate from the norm is generally accepted as the method for establishing the shelf life of these materials. It is therefore imperative that in order to have the longest possible shelf life our  material be stored under the following conditions:

- Temperature range of 60°F to 80°F (15°C to 27°C)
- Humidity range of 40% to 50%
- No direct exposure to sunlight or other UV radiation sources

When stored under these conditions, GRISWOLD LLC recommends three years from the manufacture date as the shelf life for our  roll goods. This date can be ascertained from lot code labeling on each roll of material. The lot code can be found at the bottom of each label and on the tag at the inside end of each roll core. An explanation on how to read the example lot code 402050201004160 is provided below. Reading from left to right:

4	Production line identifier
02	Year (2002)
05	Month (05, May, 09 Sept, etc.)
02	Day (02, 2 nd , 21, 21 st , etc.)
01	Run No. (01, 02, 03 etc.) Use of 90, 91, etc. denotes a developmental run
004	Roll number
160	Roll length in feet

GRISWOLD LLC accepts that customers may not always be able to maintain the storage conditions noted above. For this reason, we recommend our customers testing materials prior to their intended use for suitability to the application. GRISWOLD LLC further recommends implementing a first in, first out use policy using the

older lot material first. Shelf life can also be affected by altering the enlighten-U product from its original manufactured state such as being cut, laminated, adhesive application or any other operation that alters the product from its original form.

GRISWOLD LLC makes these recommendations based on generally accepted experience as well as ongoing ageing studies of enlighten-U our products and maintains that it is the responsibility of the customer to verify suitability for the desired end use.

NOTE: Information of a technical nature is based on laboratory tests which either GRISWOLD LLC conducts or sends to an independent laboratory for testing for determination of uses as requested in writing by customer. GRISWOLD LLC believes these to be reliable. However, GRISWOLD LLC has no control over the application of the material to, or part of, the final **product** and **therefore**, GRISWOLD LLC makes **no express or implied warranty of result, fitness or merchantability**. The customer should determine reliability for the end use or particular application.

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