



Storage and Handling of GEHR filaments

GEHR filaments are carefully inspected, handled and loaded at the factory to ensure that damage is minimized during shipping. It is the carrier's responsibility to deliver the shipment in good condition. ***It is the receiver's responsibility to ensure that there has been no loss or damage during shipping, and that the products are unloaded and stored properly upon receipt.***

Storage & Handling Guidelines

Conditions for Safe Storage:

GEHR filaments are carefully spooled and individually packed in vacuum sealed aluminum-laminated resealable zip bags. This helps prevent exposure to UV and minimizes moisture absorption. Filament should remain sealed in original packaging until use and kept away from temperature extremes. Store indoors out of direct sunlight at temperatures between 15°-25°C (60-77°F) with less than 50% relative humidity. When stored properly thermoplastics typically do not degrade over time.

Once original packaging is opened, filaments must be kept **dry*** and stored properly in a sealed airtight dust-free container. The original aluminum-laminated bag can be resealed along with fresh desiccant for spool storage.

Store filament spools in a vertical position on a suitable rack to help prevent the filament from cross winding during storage when possible. When handling an open spool use both hands to prevent the filament from unwinding. To prevent jams and breaking of the filament, watch out to not cross wind the filament, if rewinding is necessary.

***NOTE:** The presence of moisture in the filament can affect the quality of the 3D print. Certain engineered polymer filament materials readily absorb moisture from the environment and must be properly and thoroughly dried prior to use. Follow published drying times and temperatures, along with other printing processing conditions for the filament material being used. Moisture testing and proper drying is necessary to ensure the filament material is conditioned properly prior to printing, particularly on moisture sensitive materials such as Nylon, PEI, PEEK, PPSU and other engineered polymers.

Precautions for Safe Handling:

Keep filaments clean as dust and dirt can have a negative impact on print quality. Use personal protection equipment while handling melted filaments. Avoid skin and eye contact. If small particles are generated during further processing, handling, or by other means, combustible dust concentrations in air may form. Use respirator.

Shelf Life:

GEHR Plastics, Inc., does not publish or declare a shelf life or expiration date for the filaments we manufacture. GEHR thermoplastic semi-finished products are considered inert materials and do not readily degrade when properly stored. Exposure to sunlight (UV radiation), temperature extremes, chemical environments, mechanical loading, and other factors related to improper storage and handling can have a negative impact on the product performance, physical properties, machinability, durability, and life expectancy of the product.