

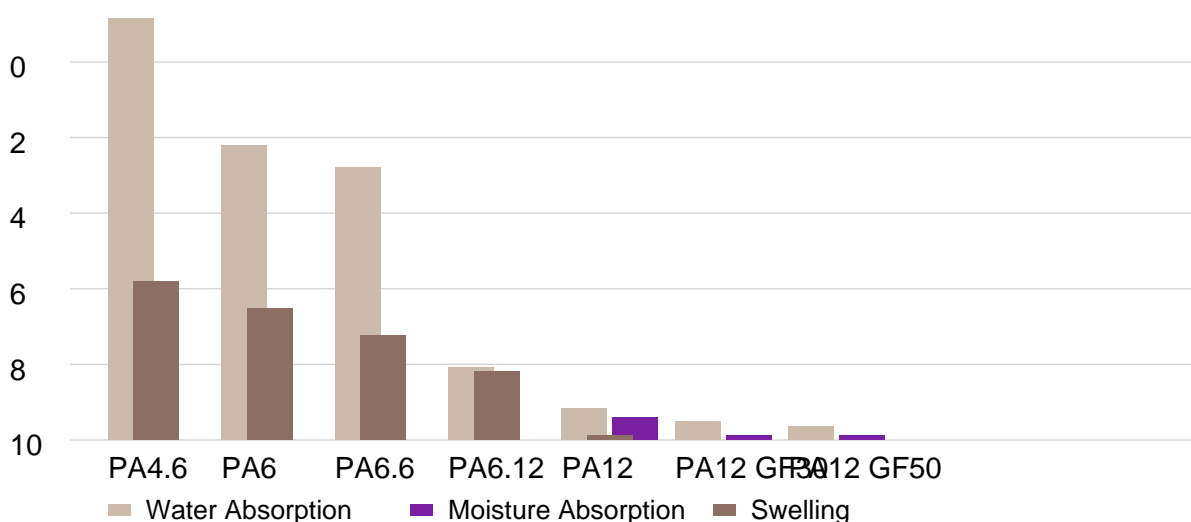
Nylon 12

1. Product Overview

Nylon 12 is a long-chain polyamide, a high-performance engineering plastic with excellent properties such as low density, low-temperature toughness, impact resistance, and chemical resistance. It is used in advanced manufacturing fields such as wall material manufacturing, new energy vehicles, oil and gas industry, and submarine cable manufacturing. In the 1970s, Nylon 12 was first industrialized by Degussa, the predecessor of Evonik Industries AG, in Marl.

2. Product Features

- Low water absorption
 - Good low-temperature (-40°C) performance
 - Dimensional stability
 - Good processability, can be filled with more than 50% glass fiber.
 - High crystallinity, good chemical resistance, excellent lubrication performance
- Absorption and Swelling of Different Polyamides to Moisture and Humidity



3. Product Applications

PA12 is a widely used long-chain polyamide. In addition to the general performance of ordinary nylons, it has low water absorption, high dimensional stability, high temperature resistance, corrosion resistance, good toughness, and easy processing. It can be used in automotive fuel pipes, pneumatic hoses, submarine cables, 3D printing and other products.