



Resin Affinity

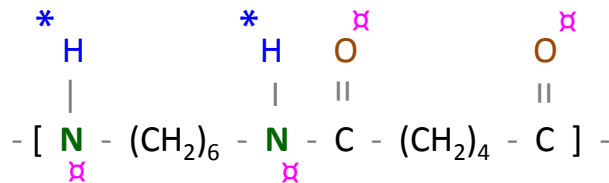
How Nylon works with Polyurethane

N-Fusion™ products are manufactured exclusively from nylon 66, providing resin compatibility unmatched by other composite materials.

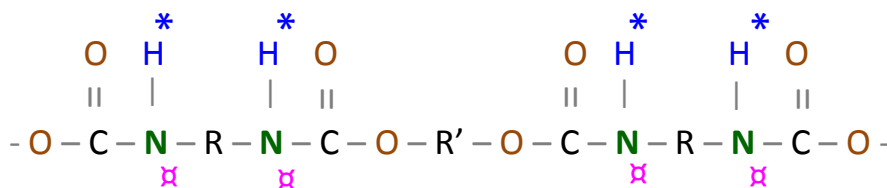
The Nylon structure is composed of methylene chains joined by polyamide bonds. The **H (hydrogen atom)** attached to the **N (nitrogen atom)** is the basis for **HYDROGEN BONDING** that occurs between nylon and other molecules that contain an accessible **N(nitrogen)** or **O(oxygen)** atom.

BOTH **NYLON** AND **Polyurethane** have

- * Hydrogen atoms attached to Nitrogen atoms, and
- ✕ Hydrogen Bonding Sites

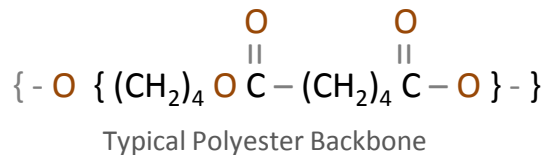
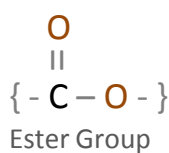


Nylon 6,6



Polyurethane

Unfortunately, polyester materials do NOT have the required **HYDROGEN – NITROGEN** pairs to reciprocate in the hydrogen bonding process:



Polyester



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