Polymer Chemistry: Pendant Groups

A group attached to the polymer backbone and present in the repeating unit is called a **pendant group**. Examples of pendant groups are the methyl group in polypropylene and the benzene ring in polystyrene.

![Polypropylene and Polystyrene](https://eng.libretexts.org/Bookshelves/Materials_Science/Supplemental_Modules_(Materials_Science)/Polymer_Chemistry/Polymer_Chemistry_Pendant_Groups.png)

**Common Pendant Groups: (left) polypropylene and (right) polystyrene**

Polymers with pendant groups still are designated as linear polymers. The presence of pendant groups modifies the properties of a polymer.

Contributors and Attributions

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