



Maximize Efficiencies with Polypropylene

Impact
PLASTICS



Low Density

PP has the lowest density of all the polymers:

- PP is 13% less dense than PS
- PP is 30% less dense than PET



1 kg PET = 217 Lids



1 kg PP = 263 Lids

This means that by making the switch from PET to PP, you get more parts from the same amount of material.

Permission for use granted by Milliken & Co.

Light Weight

PP is the lightest polymer.

PET



Weight = 4.6g

The lightweight nature of polypropylene allows us to do more with less material, resulting in lighter, thinner, stronger parts.

PP



Weight = 3.8g

18% Weight
Reduction

Switching to polypropylene allows us to use on average:

- 30% less plastic than PVC
- 15% less plastic than HIPS
- 5% less plastic than PET

Permission for use granted by Milliken & Co.

Cost Efficiency

PP is less expensive than PS & PET



Polymer pricing by volume North America



PP becomes the lowest cost polymer once prices are adjusted for density.

Permission for use granted by Milliken & Co.

Thank you for taking the time to read our case study on the efficiencies of Polypropylene - we hope you found this information helpful.

To learn more about how you can use polypropylene in your next project, contact our team!

Contact Us

