

# The Most Common Plastic Resins for Injection Molding

Choosing the correct material for your project can be intimidating. But at Reed City Group, we understand the differences in plastic materials and will work hand in hand with our customer to find the best fit for their program.

## Polypropylene

Polypropylene is one of the world's most widely used plastics. Popular for its high chemical resistance, strength, and elasticity, it's wide range of uses span from the food industry to the automotive industry.

## ABS

Acrylonitrile Butadiene Styrene, or ABS, is a thermoplastic polymer known for its toughness, durability, and substantial dimensional stability. With high impact resistance, and resistance to scratching, breaking, and tearing, ABS can be found in electronic parts, automotive componets, or pipe fittings, for example.

## Acetal

Also known as polyoxymethylene (POM), acetal is a type of thermoplastic that shows little wear, outstanding toughness, and strong chemical resistance. Its rigid structure allows it to be produced alongside metal componets, such as knives, fasteners, and ball bearings

## Nylon

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## Our Resins

With 27 machines, and a tonnage ranging from 28 to 725, Reed City Group is equipped to manage a wide range of material types. We are currently running the following: Nylon, ABS, PC-ABS, PP, PE, Acetal, Acrylic, PC, PPA, TPE, and TPV.

