

# MATERIALS

Robin Industries will help you choose the right elastomer for your project or develop a custom material specifically for your application. This is extremely important when it comes to quality production. Our access to a wide selection of leading-edge technologies and quality materials enables Robin to identify the most cost-effective solution for every requirement. Robin aims to provide an overview of the most important and popular elastomers to help our customers in their selection and usage of materials for specific applications.

## Selecting the right material process:

- Value analysis, providing complete material recommendations, and application design through production solutions
- Accredited material development lab and testing
- Specialized material coatings and adhesive processing - Lubricious materials
- R&D in material development and optimization

## Material advancements:

- Material standardization
- Development for temperature extremes
- More compact design for weight reductions and lower specific gravities
- Development for improved elongation, deflection, or other desired material properties
- Lubricious materials to aid in assembly and for functional purposes
- Ability to develop custom formulations to meet customer specific applications

## Typical Polymeric Materials:

- USP Class VI materials
- Silicone
- Liquid Silicone
- Natural Rubber
- Polyisoprene
- SBR
- Butyl
- Polybutadiene
- EPDM
- Polychloroprene
- Nitriles
- Epichlorohydrin
- Ethylene-Acrylic
- Polyurethane
- Fluorosilicones
- Fluorinated Elastomers
- TPE's
- Plastics