

Arabian Rubbers has created silicone rubber parts and seals for a broad range of industries including medical, automotive, aerospace, electronics and more. From simple seals to the most complex silicone parts, we utilize a host of sophisticated technologies and processes to consistently manufacture the high quality silicone components your applications demand.

[Silicone rubber](#) is extraordinary manufactured materials. By combining the appropriate additives, in the correct amounts, silicone is transformed into a highly specific material.

- Silicone Rubber can withstand freezing temperatures. And it can stand up to high heat.
- It can be translucent. It can also be almost any color .
- Silicone resists fungus. At the same time, it is non-toxic.

From the cleanroom to the operating room, from the dashboard to the circuit board, silicone rubber exhibits such a wide range of properties, it is used in many applications where organic rubber cannot perform.

State-of-the-Art Capabilities in Silicone

The popularity of silicone has led to Arabian Rubbers development of precision mold capabilities. Even the most complex silicone parts and seals can be consistently manufactured using a host of technologies and processes including injection molding and compression molding.

The advantages of silicone....

- Unmatched Temperature Resistance - withstands temperature extremes from -103°F (-75°C) to 550°F(275°C).
- Excellent Mechanical Properties - good elongation, excellent flexibility and a durometer range of 10-80 Shore A.
- Exceptional Weather Resistance - resists the damaging effects of UV light, ozone, O₂, weather, moisture and steam with outstanding aging characteristics.
- Good Chemical Resistance - resists water and many chemicals such as some acids, oxidizing chemicals, ammonia and isopropyl alcohol. Note: concentrated acids, alkalines and solvents should not be used with silicone rubber.
- Excellent Dimensional Stability - offers excellent accuracy and provides versatility of

shape and form to many seals and parts, even intricate shapes.