

Silicone rubber is a high-performance elastomer characterized by an unusual combination of properties.

These properties range from high temperature performance to durability, excellent electrical insulation properties as well as its transparency. They are thus used in nearly every industry to improve the quality and functionality of products.

Standard Silicone is rather sensitive to pressure and its abrasion resistance is poor.

Variants: USDA Dairy compliant, high-strength Silicone - improved physical properties, blended with rubbers

Name	Abbreviation	Physical & Mechanical Properties	Chemical Resistance
Silicone, Silicone rubber	VMQ, PMQ, PVMQ	Durometer or Hardness Range 20 - 90 Shore A	Oil and Grease Fair
		Abrasion Resistance Poor to Good	Acids Fair to Good
		Tear Resistance Poor to Good	Alcohols Excellent
		Compression Set Good to Excellent	
		Resilience / Rebound Good to Excellent	
		Adhesion to Metal Good	
		Maximum temperature for Continuous Use (Static) 550 F	