

Polydemethyl Siloxane (VMQ) also called SILICON is a relatively expensive rubber with relatively low tensile, tear, elongation & abrasion properties. But these properties are retained after aging under a variety of service conditions. Silicon compounds are resistant to heat and high-aniline point oils, atmospheric conditions, ozone and compression set. Electrical properties are excellent. It is also flexible at very low temperatures. Since it is fully saturated only peroxides can be used for hot vulcanization processes. It is frequently specified in food and beverage applications, as it does not impart any taste or odor.

General Information

Service Temperature -60°C to 230°C

Hardness Range 30 ~ 80 Shore A

Colour All Colours

Typical Uses

Medical Parts, Food & Beverage
Seals, Drinking Water,
Refrigerator Spares

Performance Parameters:

	Excellent	Good	Fair	Poor
STEAM	●			
SUNLIGHT	●			
WEATHERING / OZONE	●			
COMPRESSION SET		●		
ABRASION RESISTENCE				●
FLAME RESISTENCE		●		
GAS PERMEATION				●
CHEMICALS / SOLVENTS			●	
PETROLEUM OILS				●
FUELS / GASOLINE				●
BRAKE FLUIDS				●
TRANSMISSION FLUIDS				●
STEERING FLUIDS				●
REFREGERANTS				●