



Coating Tomorrow's Innovations

Silicone (Q)

Rubber, urethane and other polymers are used to provide optimized coating properties for a substrate.



Extreme temperature range stability and low-temperature flexibility are characteristics of silicone compounds.

Silicones provide outstanding resistance to compression, sunlight, ozone, oxygen, and moisture.

In general, silicone materials are extremely clean and are used in many food and medical applications as they do not impart odor or taste.

General Polymer Characteristics

Abrasion Resistance	Poor	Gas Permeability	Poor
Compression Set	Good	Low Temperature Flexibility	Excellent
Elongation	Fair	Tear Resistance	Poor
Flame Resistance	Good		

General Properties

Excellent high and low temperature properties. Weather and ozone. Taste retention. Poor in abrasion and tear

Resistant to

Moderate or oxidizing chemicals, ozone, and concentrated sodium hydroxide

Attacked by

Many solvents, oils, concentrated acids, and dilute sodium hydroxide



At Trelleborg, our eyes are on tomorrow as our in-house expert technical teams work in partnership with an increasing range of customers to bring industry-changing ideas to actualization with coated materials- whether it's your concept or ours.
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