

Shown below are some of the excellent properties offered by Polylastomer® parts.



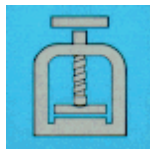
Life Expectancy

Excellent. Products have been in the field for more than thirty years without any problems. Polylastomer® parts will not dry out or become brittle like many rubber formulations.



Ozone Resistance Ultra-Violet Resistance

Excellent
Excellent



Durometer

Our plastic raw material formulations range from 25 Shore A to 60 Shore D.



Flammability

Polylastomer® products can be molded from materials that have a UL 94 V-O rating (self-extinguishing). Generally, the raw materials have a UL 94 HB rating (slow burning).



Food Contact

A number of Polylastomer® grommets and seals are molded from materials that have FDA approval.



Chemical Resistance

Water: Excellent
Acids and Bases: Good
Hydrocarbon Solvents: Aliphatic: Fair to Good
Aromatic: Poor
Motor Oil: Some swelling
Polar Solvents such as alcohol: Good



Dimensional Tolerances

Excellent. The plastic injection molding process permits much closer tolerances than for molded rubber parts.



Colour

Available in any colour in the rainbow at no increase in cost vs. black.

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Typical Mechanical Properties*

Property	ASTM Test Number	Typical Value
Durometer, Shore A	D2240	30 to 90
Tensile Strength, psi	D412	1100 to 2180
Elongation at Break, %	D412	520 to 860
100% Modulus, psi	D412	100 to 590
Flex Modulus, psi	D790	750 to 16,500
Compression set after 70 hours @ 23 degrees C, %	D395	19 to 40

Working temperature – continuous: -68°C to +80°C

* No warranty or representation of any nature whatsoever is expressed or implied in the values expressed.