

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



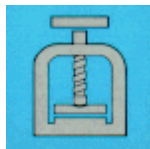
### Life Expectancy

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.