POLYLASTOMER

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 degress 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.