

# Materials Used In Production

## Metals

Type-Alloy	230	260	190					6063		301					
Nominal	Cu Zn	Cu Zn	Zn	Cu	Pb	Cd	Fe	Mg	Si	C	Mn	P	Si	Cr	Ni
Composition %	85 15	70 30	99	.9	.005	.005	.008	.45	2-6	.15	2	.045	1	16-18	6-8
Common Name	Red Brass	Cartridge Brass	Zinc					Aluminum		Stainless Steel					

## Elastomers

Type	Chloroprene (Neoprene)	Ethlene (Propylene)
ASTM Designation	CR	EPDM
<b>MECHANICAL PROPERTIES</b>		
Hardness - Shore A	50 - 60	50 - 60
Flex Cracking Resistance	Very Good	Very Good
Tear Resistance	Good	Fair - Good
Abrasion Resistance	Excellent	Good - Excellent
Service Temperature (F)	-60° to -225°	-70° to -350°
<b>ENVIRONMENTAL RESISTANCE</b>		
Ozone	Very Good	Outstanding
Oxidation	Very Good	Excellent
Weathering	Very Good	Outstanding
Water	Good	Excellent
Radiation	Good	Good
Permeability To Gases	Low - Medium	Medium

Solid extrusions are EPDM unless noted otherwise. Closed cell sponge extrusions are a neoprene blend compound. Closed cell sponge strip meets Mil R6130 Class 2 Grade C. The preceding chart is a partial comparative list of properties.