

Salem Specialty Ball Company

Home **Materials** Production Inventory Charts Tools Company Contact

Description **Material Analysis** Mechanical Properties

304 Stainless Steel Balls

Carbon	0.07% max.
Silicon	1.00% max.
Manganese	2.00% max.
Phosphorous	0.045% max.
Sulfur	0.030% max.
Chromium	17.00 to 20.00% max.
Molybdenum	-----
Nickel	8.50 to 10.50% max.

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Tensile strength	100,000 to 180,000 psi
Yield strength	50,000 to 150,000 psi
Elongation in Two Inches	55 to 60%
Reduction in Area	55 to 65%
Modulus of Elasticity	29,000,000 psi
Density	.286 lbs/cubic inch

Aluminum / Brass / Bronze / Carbon / Ceramics / Chrome / Cobalt / Copper / Glass
Hastelloy / K-Monel / M-50 / Monel / Plastics / 302 Stainless / 304 Stainless
316 & 316L Stainless / 420 Stainless / 440 Stainless / Tungsten Carbide
Steel Balls / Miscellaneous