

Material Hardness

Castings Shafting

Metal Tensile Strength (PSI) Brinell Hardness Range

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30,000 - 50,000	190 - 280
60,000	132
26,000 - 42,000	60 - 80
80,000	150 - 250
85,000	159
85,000 - 125,000	212 - 277
80,000 - 90,000	150 - 190
140,000	260
90,000	290
80,000	200
80,000 - 120,000	160 - 240
75,000 - 135,000	155 - 260
145,000 - 200,000	311 - 420
	30,000 - 50,000 60,000 26,000 - 42,000 80,000 85,000 85,000 - 125,000 80,000 - 90,000 140,000 90,000 80,000 80,000 - 120,000 75,000 - 135,000

Physical properties, including tensile strength and hardness, can very with heat-treating, cold-working or changing the percentages of chemical elements. Some metals with a low hardness value still have excellent wear characteristics.

Chemical resistance charts should be reviewed before making a final selection on materials for your application.