

Custom 455® Stainless
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Typical Room Temperature Mechanical Properties

Bar, 1" (25.4 mm) section

Condition	0.2% Yield Strength		Ultimate Tensile Strength		Notch Tensile Strength K _t = 10		% Elong. in 4D	% Reduction of Area	Rockwell C Hardness	Charpy V-Notch Impact Strength	
	ksi	MPa	ksi	MPa	ksi	MPa				ft-lb	J
A	115	793	145	1000	230	1585	14	60	31	70	95
H 900	245	1689	250	1724	250	1792	10	45	49	9	12
H 950	225	1551	235	1620	300	2068	12	50	48	14	19
H 1000	200	1379	210	1448	290	2000	14	55	45	20	27
H 1050	175	1207	190	1310	260	1793	15	55	40	35	48

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