

1. Mechanical Properties at Room Temperature

	304		304L	
	Typical	Minimum	Typical	Minimum
Tensile Strength, MPa	600	515	590	485
Proof Strength, (Offset 0.2 %), MPa	310	205	310	170
Elongation (Percent in 50mm)	60	40	60	40
Hardness (Brinell)	170	-	170	-
Endurance (fatigue) limit, MPa	240	-	240	-

1. Mechanical properties at room temperature

	SX316		SX316L		SX316Ti	
	Typical	Minimum	Typical	Minimum	Typical	Minimum
Tensile Strength, MPa	580	515	570	485	600	515
Proof Stress (0.2 % offset), MPa	310	205	300	170	320	205
Elongation (Percent in L = 5.65 S _o)	55	40	60	40	50	40
Hardness (Brinell)	165	-	165	-	165	-
Ericksen Cup Test Value mm	8 - 10	-	10 - 11	-	-	-
Endurance (fatigue) limit, MPa	260	-	260	-	260	-