



## Weldable Fine Grain Steels Quenched and Tempered

EN 10028-6	ASTM	Material No	Tensile Strength(Mpa)	Rpo.2 Yield Point at Elevated Temperature				
				100 deg c	150 deg c	200 deg c	250 deg c	300 deg c
P355Q		1.8866	490-630	310	285	260	235	215
P355QH		1.8867	490-630	310	285	260	235	215
P355QL1		1.8868	490-630	310	285	260	235	215
P355QL2		1.8869	490-630	310	285	260	235	215
P460Q	A537 CL2; CL3	1.8870	550-720	425	405	380	360	340
P460QH		1.8871	550-720	425	405	380	360	340
P460QL1		1.8872	550-720	425	405	380	360	340
P460QL2		1.8864	550-720	425	405	380	360	340
P500Q		1.8873	590-770	470	450	420	400	380
P500QH		1.8874	590-770	470	450	420	400	380
P500QL1		1.8875	590-770	470	450	420	400	380
P500QL2		1.8865	590-770	470	450	420	400	380
P690Q	A517GrB; GrF; GrH;GRQ	1.8879	770-940	645	615	595	575	570
P690QH		1.8880	770-940	645	615	595	575	570
P690QL1		1.8881	770-940	645	615	595	575	570
P690QL2		1.8888	770-940	645	615	595	575	570

P = Pressure Vessel Steel  
 Q = Quenched and Tempered Steel  
 H = High operating Temperature  
 L = Low operating Temperature

Impact Energy Transverse					
T deg C / kv(J)	-60	-40	-20	0	20
P...Q..QH			27	40	60
P...QL1			27	40	60
P...QL2	27	40	60	80	