

Steel plate for for Boiler Pressure Vessel JIS G3115 SPV 32

SPV 32 steel plate, JIS G3115 SPV 32 steel plates is a kind of material for boiler and pressure vessel steel. JIS G3115 SPV 32 steel plates is characterised by a minimum yield strength of 220 - 295 MPa and by good weldability, so SPV 32 steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids. The following are JIS G3115 SPV 32 steel plate's Chemical composition and mechanical properties.

Chemical analysis -% by mass* (max)

Grade	C. %	Mn. %	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
SPV 32	0.08-0.2	0.90-1.50	0.015	0.012	0.30	0.020	0.03	0.40	0.025	0.020	0.30	0.08	0.30	0.02

Mechanical properties

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
SPV 32	Normalized	≤16	295	460-580	21	27	34	40
		16>to≤40	290	460-580	21	27	34	40
		40>to≤60	285	460-580	21	27	34	40
		60>to≤100	260	460-580	21	27	34	40
		100>to≤150	235	440-570	21	27	34	40
		150>to≤250	220	430-570	21	27	34	40

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