

JIS G 3116 SG255 steel plate/sheet for gas cylinders and gas vessels

Key words :

SG255 steel plate/sheet, [JIS G 3116 SG255 steel plate/sheet](#), JIS G 3116 SG255 steel plate/sheet for gas cylinder and gas vessel, SG255 carbon steel used for gas cylinder and gas vessel, JIS G 3116 steel plate for gas cylinder and gas vessel, SG255 steel supplier/Chinese supplier, SG255 steel price...

Equivalent grade :

SG255 steel plate/sheet is in JIS G 3116 standard. It's grade Number is 1.0111. The equal material of SG255 is: EN10120 P245N, DIN17155 HI, NFA 36-211 BS1 ,UNI 7355 FE E24KR, BS 5045 - TYPE A, UNE 36129 AE235KR.

SG255 JIS G 3116 Number:1.0111	EN10120	P245N
	DIN17155 HI	HI
	NFA 36-211	BS1
	UNI 7355	FE E24KR,
	BS 5045	TYPE A
	UNE 36129	AE235KR

JIS G3116 SG255 steel Chemical Composition %

Main chemical composition in JIS G 3116 SG255 steel : Carbon: max 0.20 , Manganese max 0.30 , Sulphur max 0.04, Phosphorus max 0.040, More detailed information, please refer to the flowing table:

Symbol	Chemical composition				
	C max	Si max	Mn max	P max	S max
SG255	0.20	-	0.30	0.040	0.040

JIS G3116 SG255 steel Mechanical Properties

SG255 this material is mainly used to fabricate gas cylinder and gas vessel. this kind of steel has the good grain and Mechanical properties. It's yield strength is min 255 MPa (there is different min strength point at the different thickness.) SG255 tensile strength is min 440MPa .(different min strength point at the different thickness.) More detailed information about JIS G3116 SG255 steel Mechanical Properties , please refer to the following table:

Symbol	Yield point or proof stress N/mm2 (min)	Tensile strength N/mm2 min	Elongation % min	Tensile test piece	Bendability		
					Bending Angle	Inside radius	Test piece
SG255	255	400	26	NO.5 in rolling direction	180°	Thickness x 1.0 Thickness x 1.5	No.3 in rolling direction

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