

## **ASTM A387gr12 steel plate/sheet for steel with Cr., Mo.,Cr-Mo steels**

### **For high temperature and pressure vessels**

ASTM A387gr12 steel plate/sheet, ASTM A387gr12 steel plate/sheet, under ASTM standard, we can regard A387gr12 steel plate/sheet for steel with Cr., Mo.,Cr-Mo steels used for high temperature and pressure vessels.

ASTM A387gr12 steel grade is a kind of steel which with Cr., Mo.,Cr-Mo that mainly applied for high temperature and pressure vessels. The steel grade A387gr12 is according to ASTM standard which with the yield strength of 228MPa. The followings are the chemical composition and mechanical properties of ASTM A387gr12 steel plate.

The chemical composition of steel ASTM A387gr12 steel by [%]

Grades	C	Mn	S	P		Cr	Ni	Cu	Mo	Nb+V+Ti
A387g r12	0.05- 0.17	0.40- 0.65	0.035 max	0.035 max	0.50- 0.80	1.0- 1.5	-	-	0.45- 0.60	-

Mechanical properties of ASTM A387gr12 steel

Grade	Permissible yield point ratio	Yield Strength MPa(min)	Tensile Strength MPa	Elongation % (min)
A387gr12	-	228	380-550	22

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