Material - ASTM A148 Grade210-180

StandardSpecificationforSteelCastings,HighStrength,forStructural Purposes

Group-FerrousMildSteelAlloys

Sub Group - ASTM A148 / A148MSteel Castings, High Strength for Structural Purposes Application - Intendedfor Valve, Pump, General Engineering,Automotive and Other Industries Grade Belongs to the Industry - Casting

ChemicalComposition		
Sulphur	S %	0.020 max.
Phosphorus	P%	0.020 max.
Iron	Fe%	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
NormalisingorAnnealingorHardening+Tempering

Mechanical Properties	
TensileStrengthinMpa	1450 min.
YieldStrengthinMpa	1240 min.
Elongationin%	4 min.
Reductionof Areain %	15 min.
HardnessinBHN	-
Impactin Joule	-

CrossReference Table			
Material	**Standard**	**Country**	**GradeBelongtotheIndustry**
D51800	UNS	USA	Casting
A148Grade 165-150L	ASTM	USA	Casting
A148Grade 165-150	ASTM	USA	Casting
A148Grade 210-180L	ASTM	USA	Casting
A148Grade 260-210	ASTM	USA	Casting
A148Grade 260-210L	ASTM	USA	Casting
D51501	UNS	USA	Casting

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