

超低温用铸钢品

STEEL CASTINGS FOR SUPER LOW-TEMPERATURE SERVICE

Element (Wt%)

Designation	Type	C Max.	Si Max.	Mn	P Max.	S Max.	Ni	Cr Max.	Mo Max.	Cu Max.	V Max.	Heat Treatment	Yield	Tensile	Elongation	Reduction	Charpy Impact
													Strength Min.(N/mm ²)	Strength (N/mm ²)	(G.L.:50mm) Min. (%)	of area Min. (%)	Testing Temp. () Energy (J) Av. (single)
ASTM A352 LC3	3 . 5 %Ni	0.15	0.60	0.50 ~ 0.60	0.040	0.045	3.00 ~ 4.00	—	—	—	—	WQ WT	275	485 ~ 655	24	35	-101 Min. 20 (16)
ASTM A352 LC4	4 . 5 %Ni	0.15	0.60	0.50 ~ 0.60	0.040	0.045	4.00 ~ 5.00	—	—	0.30	—	WQ WT	275	485 ~ 655	24	35	-115 Min. 20 (16)
ASTM A352 LC9	9 %Ni	0.13	0.45	0.90	0.040	0.045	8.50 ~ 10.0	0.50	0.20	—	0.03	WQ WT	515	Min. 585	20	30	-196 Min. 27 (20)