



宇盛钢铁有限公司

YUSHENG IRON AND STEEL CO.,LTD

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**LR FH40** would be mainly used for building crane project in many shipyards, also would be used in building ice breaker owing to its minus 60 centidegree impacting test when rolling.

**Adopting standard:** LR

**Relative Grades:** LR A | LR B | LR D | LR E | LR AH32 | LR AH36 | LR AH40 | LR DH32 | LR DH36 | LR DH40 | LR EH32 | LR EH36 | LR EH40 | LR FH32 | LR FH36 | LR FH40

Property Data:

LR					
Grade	T: 8-300MM	LR AH40	LR DH40	LR EH40	LR FH40
Chemical Composition % ≤	C		0.18		0.16
	Mn		0.9-1.60		
	P		0.035		0.025
	S		0.035		0.025
	Si		0.50		
	Al (acid)		≥ 0.015		
	Nb		0.02-0.05		
	V		0.03-0.10		
	Ti		0.02		
	Ni		0.40		0.80
	Cu		0.35		
	Cr		0.20		
	Mo		0.08		
N					0.009

**ADD: East Area, 25<sup>th</sup> Floor, Y.H. International Plaza, Zhengzhou City, Henan province in China.**



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Mechanical Property $\geq$	Yield Strength (Mpa)	390	390	390	390
	Tensile Strength (Mpa)	510-650	510-650	510-650	510-650
Impacting Test temperature ( $^{\circ}$ C)		0	-20	-40	-60
Mark		LR/A40	LR/D40	LR/E40	LR/F40

H:Heat Analysis. P:Product Analysis

NOTE: For Grade FH40 plates, there is not just limited in impacting test but have more striction in some elements in chemical composition.Else,for the marking on the steel plates, LR/F40 is stand for LR FH40.

Following the rule of LR, the marking on steel plate for Grade LR FH40 shall be LR/F40,this is common when taking delivery from mill.Yusheng Iron and Steel Co.,Ltd Providing you more explanation about this.

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