

HITEN 780LE



The Hiten 780LE is a high quality steel plate fabricated utilizing a Micro-alloying and Thermo Mechanically Controlled Process. This methodology permits this plate to have an unrivalled surface quality, fantastic weldability, better framing and higher charpy values than extinguished and tempered plate. A brilliant substitute for A514.

HITEN 780LE are made by utilizing heading advances including controlled moving and least micro-alloying, subsequently, giving great weldability and high sturdiness over in low temperature (-40°c) locales.

Mechanical Properties: Tensile: 113ksi-135ksi

Yield: 100ksi min

Elongation: 16% min in 2", Typical 33% in 2"

Vandan Steel & Engg. co.

359 / 373, Flat -9, 2nd Floor, Minerva Mansion, Svp. Road,

Khetwadi, Giragoan, Mumbai-400 004.

Tel: 022-2389 3665

Email: info@vandansteel.com

Charpy Values: Minimum of 20 Joules @ -40° Celsius, Typical 145 Joules @ -40° Celsius

Brinell: 235—293 is typical, but it is not usually indicated on the MTR's

CHEMICAL COMPOSITION

Brand name (applicable plate thickness)	Chemical composition (%)													Tensile test				
	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Bi	eq	Yield point or proof stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation		Test piece JIS
	Thick		Min.		Thick		Min.		Thick		Min.		Thick		Min.			
Hiten 780LE (6-200mm)	0.16	0.10	0.60	0.020	0.015	0.150	0.40	0.05	0.10	0.010	0.005	0.002	506	780	16	16	No.5	

Applications:

- Bridges
- Oil Tanks
- Various Spherical Holders
- Various Offshore Structures
- Gates, Penstocks

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- Civil Engineering and Industrial Machinery

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