

BH320 – IS 513: Part 1 (2016) – Technical Datasheet

1. Chemical & Mechanical Properties

Property	Value
C (%)	≤ 0.04
Mn (%)	≤ 0.70
Si (%)	≤ 0.05
P (%)	≤ 0.030
S (%)	≤ 0.030
Al (%)	0.02 – 0.06
Ti (%)	≤ 0.15
Nb (%)	≤ 0.05
YS (MPa, min)	210 (as-supplied)
UTS (MPa, min)	350
BH (MPa)	≥ 30
El (%)	32

2. Equivalent / Alternative Grades

Grade	Standard	C%	Mn%	Si%	P%	S%	Al%	Ti%	Nb%	UTS/YS/El/BH
JIS BH210/260	JIS A2001	≤ 0.03	≤ 0.70	≤ 0.05	≤ 0.025	≤ 0.025	0.02 – 0.06	≤ 0.15	≤ 0.05	UTS 330 – 390; YS 210 – 260; El 32; BH ≥ 30
EN DX57D BH220	EN 10292	≤ 0.06	≤ 0.80	≤ 0.05	≤ 0.045	≤ 0.045	0.02 – 0.06	≤ 0.15	≤ 0.05	UTS 330 – 390; YS 210 – 260; El 32; BH ≥ 30
ASTM A1008 BH260	ASTM A1008	≤ 0.04	≤ 0.70	≤ 0.05	≤ 0.030	≤ 0.030	0.02 – 0.06	≤ 0.15	≤ 0.05	UTS 330 – 390; YS 210 – 260; El 32; BH ≥ 30

3. Common Applications

- Outer & inner panels needing moderate BH gains

4. Standard Conformance

Cold-reduced sheets/strip conforming to IS 513 : Part 1 : 2016.

5. Disclaimer

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