

# CR4 – IS 513: Part 1 (2016) – Technical Datasheet

## 1. Chemical & Mechanical Properties

Property	Value
C (%)	≤ 0.08
Mn (%)	≤ 0.45
Si (%)	≤ 0.03
P (%)	≤ 0.030
S (%)	≤ 0.030
Al (%)	—
Ti (%)	—
Nb (%)	—
YS (MPa, max)	210
UTS (MPa)	270 – 350
El (%)	40 (t = 1.6 mm)

## 2. Equivalent / Alternative Grades

Grade	Standard	C%	Mn%	Si%	P%	S%	Al%	Ti%	Nb%	UTS/YS/El/BH
JIS SPCF	JIS G 3141	≤ 0.08	≤ 0.45	≤ 0.03	≤ 0.030	≤ 0.030	—	—	—	UTS 270 – 350; YS ≤ 210; El 40
ASTM A1008 EDDS	ASTM A1008	≤ 0.08	≤ 0.45	≤ 0.03	≤ 0.025	≤ 0.025	—	—	—	UTS 270 – 350; YS ≤ 210; El 40
EN 10130 DC05	EN 10130	≤ 0.08	≤ 0.40	≤ 0.03	≤ 0.030	≤ 0.030	—	—	—	UTS 260 – 330; YS ≤ 200; El 40

## 3. Common Applications

- Extra-deep drawing, panel skins
- Auto body outer panels

## 4. Standard Conformance

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

## 5. Disclaimer

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