

# CR2 – IS 513: Part 1 (2016) – Technical Datasheet

## 1. Chemical & Mechanical Properties

Property	Value
C (%)	≤ 0.12
Mn (%)	≤ 0.60
Si (%)	≤ 0.03
P (%)	≤ 0.045
S (%)	≤ 0.050
Al (%)	—
Ti (%)	—
Nb (%)	—
YS (MPa, max)	260
UTS (MPa)	270 – 410
El (%)	34 (t = 1.6 mm)

## 2. Equivalent / Alternative Grades

Grade	Standard	C%	Mn%	Si%	P%	S%	Al%	Ti%	Nb%	UTS/YS/El/BH
JIS SPCD	JIS G 3141	≤ 0.12	≤ 0.50	≤ 0.03	≤ 0.040	≤ 0.040	—	—	—	UTS 270 – 370; YS ≤ 260; El 34
ASTM A1008 DS Type B	ASTM A1008	≤ 0.12	≤ 0.60	≤ 0.03	≤ 0.040	≤ 0.040	—	—	—	UTS 270 – 370; YS ≤ 260; El 34
EN 10130 DC03	EN 10130	≤ 0.10	≤ 0.60	≤ 0.03	≤ 0.040	≤ 0.040	—	—	—	UTS 270 – 350; YS 140 – 210; El 34

## 3. Common Applications

- Deep-drawn parts such as fuel tanks
- Automotive stampings

#### 4. Standard Conformance

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

#### 5. Disclaimer

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