

S420MC — EN 10149-2 (2013) - Technical Datasheet

1. Chemical & Mechanical Properties

C (%)	Mn (%)	Si (%)	P (%)	S (%)	Yield (MPa)	UTS (MPa)	Elong (%)
0.12	1.60	0.50	0.025	0.015	≥420	480–620	16 / 19

2. Equivalent / Alternative Grades

Grade	Standard	YS	UTS	C max (%)
ASTM A572 Gr60	ASTM A572	415	550	0.23
Strenx 600MC	SSAB	600	750	0.12

3. Common Applications

- Truck side members
- Agricultural equipment
- Cranes (light duty)

4. Standard Conformance

EN 10149-2 : 2013 — High-strength, thermomechanically rolled steels for cold forming

5. Disclaimer

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