

NEXMET® 1200



A Pillar

B Pillar

Cross Member

**Structure Components
of Vehicles**



NEXMET® 1200 represents the third generation of cold stamping steels, with microstructures consisting of ferrite, bainite, martensite and retained austenite. The retained austenite results in exceptional total elongations, superior even to those of Complex Phase grades. Bendability is also excellent and on par or superior to the bendability of Complex Phase steels. Hole expansion ratios are also good. NEXMET grades are cold stamped and can successfully meet forming requirements involving parts where other cold stamped products fail.

Enhanced processing capabilities at Cleveland-Cliffs' hot-dip galvanizing line in Cleveland Works permit the production of coated NEXMET 1200, while the uncoated version is produced using substrate from Cleveland-Cliffs Dearborn Works.

NEXMET® 1200

NEXMET 1200 is a third-generation Advanced High Strength Steel product having a microstructure containing martensite, bainite and retained austenite, resulting in high strength with excellent ductility (elongation) and hole expansion ratio.

PRODUCT COMPARISON

TYPICAL PROPERTIES	NEXMET 1200
Yield Strength, MPa	950
Tensile Strength, MPa	1240
Total Elongation, %	15
Bend Ratio, r/t	≤ 2.5

CR is commercially available. GI is under development.

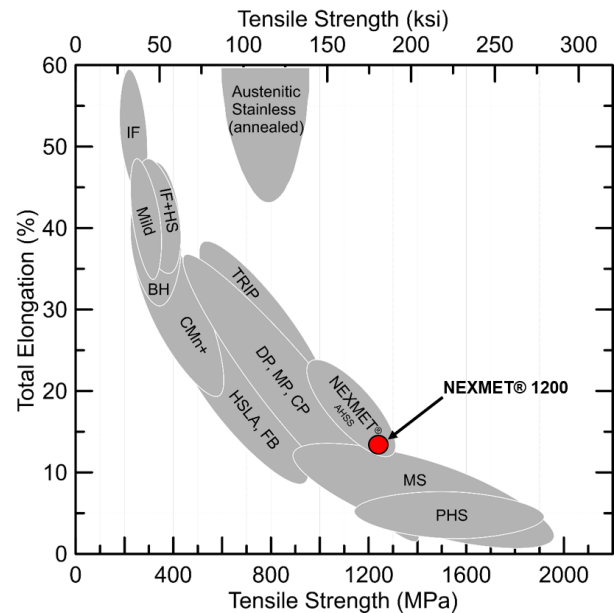
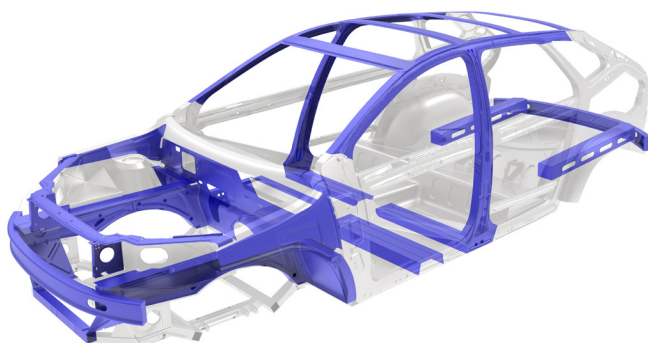
ADVANTAGES

- **Lean C-Mn Base Composition**
- **Continuous Yielding**
- **Excellent Uniform Elongation**
- **High Strain Rate Sensitivity**
- **Good Fatigue Resistance**
- **Good Bendability**
- **Bake Hardenable**
- **Uncoated Cold-Rolled (CAL)**
- **Galvanized (GI)**

CAPABILITIES

- **Gauge 1.0 – 2.0 mm**
- **Maximum width 1,350 mm**

POTENTIAL APPLICATIONS





NEXMET® 1200

About Cleveland-Cliffs Inc.

Cleveland-Cliffs is the largest flat-rolled steel producer in North America. Founded in 1847 as a mine operator, Cliffs also is the largest manufacturer of iron ore pellets in North America. The Company is vertically integrated from mined raw materials, direct reduced iron, and ferrous scrap to primary steelmaking and downstream finishing, stamping, tooling, and tubing. The Company serves a diverse range of markets due to its comprehensive offering of flat-rolled steel products and is the largest supplier of steel to the automotive industry in North America. The Company is headquartered in Cleveland, Ohio with mining, steel and downstream manufacturing operations located across the United States and in Canada. For more information, visit www.clevelandcliffs.com.



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All information in this brochure is for the purpose of information only. Cleveland-Cliffs reserves the right to change its product range at any time without prior notice.