



stelco.com



# STELMAX™ 1180MP

Multi-Phase  
Advanced High  
Strength Steel

Stelco produces strong, high performance advanced high strength steel for the demanding needs of North American manufacturers.

Our STELMAX™ product portfolio contains innovative steels engineered to meet the rising expectations of our customers.

To learn more about STELMAX™ 1180MP contact a Stelco Sales or Customer Technical Service Representative.



# STELMAX™ 1180MP

Multi-Phase Advanced High Strength Steel

## STELMAX™ 1180MP Applications

STELMAX™ 1180MP is a cold rolled multi-phase advanced high strength steel with a minimum tensile strength of 1180MPa.

STELMAX™ 1180MP has a high yield-to-tensile ratio and its microstructure is predominantly ferrite-martensite. Stelco's steel is toll-processed on a continuous annealing line that uses state-of-the-art hydrogen quench technology which produces a strip with excellent shape.

STELMAX™ 1180 is ideal for automotive lightweight applications requiring high energy absorption.

## Size Availability

**Thickness** 0.028" - 0.071"  
0.7 mm - 1.8 mm

**Max Width** 30" - 48"  
760 mm - 1220 mm

## Mechanical Properties\*

Grade	Yield Strength Min - Max (MPa)	Tensile Strength Min - Max (MPa)	Elongation Min (%)
1180MP	875 - 1150	1180 - 1350	6%

Mechanical properties tested as per ASTM in the longitudinal direction

\* Grades according to OEM standards are available on request

## Chemistry

Grade	C	Mn	Al	Si	Cr+Mo	B
1180MP	0.20	2.0	0.07	0.60	0.4	0.004

Maximum % element composition

