



stelco.com



STELMAX™ 780DP

Dual-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™ 780DP contact a Stelco Sales or Customer Technical Service Representative.



STELMAX™ 780DP

Dual-Phase Advanced High Strength Steel

STELMAX™ 780DP Applications

STELMAX™ 780DP is a cold rolled dual-phase advanced high strength steel that has a ferrite-martensite microstructure with a minimum tensile strength of 780MPa.

Stelco's steel is toll-processed on a continuous annealing line that uses state-of-the-art hydrogen quench technology which produces an ultra-flat strip shape.

This steel's low yield-to-tensile strength ratio makes it 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 (%)
780DP	420 - 550	780 - 900	14%

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
780DP	0.12	2.5	0.07	0.10	0.4	0.004

Maximum % element composition

