

A Ferragone Company



# HyCAL MS1700

[hycalcorp.com](http://hycalcorp.com)

HyCAL Martensite grades offer the highest strength available in AHSS yet offer excellent shape, and consistent properties with zero residual stress.

Typical applications include battery protection in EVs, intrusion beams, bumpers.

## TYPICAL PROPERTIES

- Yield strength average: 1392 MPa
- Tensile strength average: 1716 MPa
- Elongation average: 6.8%

## MECHANICAL PROPERTIES

STANDARD	COATING	TEST DIRECTION	YIELD STRENGTH (Mpa)	TENSILE STRENGTH (Mpa)	ELONGATION (Minimum)	BEND RADIUS
SAEJ2745	U, EG	L	1350-1700	1700-1900	3.0	4T

## CHEMISTRY (Maximum Ranges)

C	Mn	Al**	Si	P	S	Cu	B	Cr+Mo
0.35	3.0	0.010	1.0	0.02	0.010	0.2	n/a	1.5

### THICKNESS RANGE

0.50mm-2.29mm\*

### COIL/SLIT WIDTH

1220mm and under

### ID

508-609mm

### OD

1828mm Max

### WEIGHT

22,316 kg

\*CONTACT US FOR OTHER THICKNESSES    \*\*MINIMUM RANGE

CAN PROVIDE STRIP TOLERANCE GAUGE CONTROL WHEN REQUIRED.

PRODUCT CAN BE SUPPLIED WITH ELECTROGALVANIZED COATINGS TO OEM SPECIFIC TOLERANCES.

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DRIVING STEEL LIGHTWEIGHTING TECHNOLOGY FORWARD.