

A Ferragone Company



HyCAL MS1300

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: 1165 MPa
- Tensile strength average: 1421 MPa
- Elongation average: 7.0%

MECHANICAL PROPERTIES

STANDARD	COATING	TEST DIRECTION	YIELD STRENGTH (Mpa)	TENSILE STRENGTH (Mpa)	ELONGATION (Minimum)	BEND RADIUS
SAEJ274	U, EG	L	1030-1300	1300-1500	3.0	4T

CHEMISTRY (Maximum Ranges)

C	Mn	Al**	Si	P	S	Cu	B	Cr+Mo
0.28	2.0	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.

(734)561-2000 • info@hycal.com

DRIVING STEEL LIGHTWEIGHTING TECHNOLOGY FORWARD.