



MAPES & SPROWL STEEL

POWERED BY **UPG**

ELECTRICAL STEEL SELECTION GUIDE

GRAIN ORIENTED STEEL ASTM A876 - GO	NON-ORIENTED STEEL ASTM A677/A683 - NGO	COLD ROLLED MOTOR LAMINATION ASTM A726 - CRML
Ideal for applications where very high permeability at high flux densities and low core loss are desirable.	Suitable for applications where flux may flow in any direction. Thin gauges are suitable for High Frequency Motor applications, such as HEV.	Lower cost steel when higher core losses are permissible, will require a heat treat annealing to develop magnetic properties.
COILS/CUT-TO-LENGTH - GRADES	COILS/CUT-TO-LENGTH - GRADES	COILS/CUT-TO-LENGTH - GRADES
Domain Refined (DR) (Laser or Mechanical) HiB (MoH M1H M2H) Conventional GO (CGO) M2 M3 M4 M5 M6 SQ M6 PQ	HF10/HF10X or HF12 NO10 to NO35 Thin Gauge - Low Loss M12 to M47 Fully-Processed (FP) or Semi-Processed (SP)	M48 to M56

INSULATION CLASSIFICATION AS PER ASTM A976

C-5 over C-2 (ASTM A876 F2) C-5 (ASTM A876 PQ)	C-3 C-4 C-5 / C-5A C-6 / C-6A †	C-1 After heat treatment Special order CRML grades can be supplied with specified coating
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† NOT recommended in ASTM A976.