

## ArcelorMittal H 260 Solid solution steel, Cold rolled

Category : Metal , Ferrous Metal , Alloy Steel

**Material Notes:**

Available in the following: uncoated (HC260P) and electrogalvanized (HC260P+ZE) Description: Solid solution steels are designed to provide high strength while maintaining good drawability. These steels are hardened by phosphorous in solid solution in the ferrite. Their combination of mechanical strength and drawability makes these grades suitable for numerous applications. They are particularly recommended for structural and reinforcement parts requiring good fatigue and impact strength (longitudinal beams, cross members, B-pillars, etc.). Solid solution steels are killed aluminum grades with lower drawing quality than the IF range of steels. The ArcelorMittal range of continuous hot dip galvanized (Extragal®/Galvannealed) steels is described under interstitial-free steels. Information provided by ArcelorMittal

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ArcelorMittal-H-260-Solid-solution-steel-Cold-rolled.php](http://www.lookpolymers.com/polymer_ArcelorMittal-H-260-Solid-solution-steel-Cold-rolled.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	380 - 440 MPa	55100 - 63800 psi	
Tensile Strength, Yield	260 - 320 MPa	37700 - 46400 psi	
Elongation at Break	>= 29 %	>= 29 %	L<Sub>0</sub>=80 mm, th<3 mm
Fatigue Strength	<= 320 MPa	<= 46400 psi	
	@# of Cycles 2.00e+6	@# of Cycles 2.00e+6	
	<= 320 MPa	<= 46400 psi	
	@# of Cycles 1.00e+7	@# of Cycles 1.00e+7	
	<= 350 MPa	<= 50800 psi	
	@# of Cycles 100000	@# of Cycles 100000	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.060 %	<= 0.060 %	
Iron, Fe	>= 98.74 %	>= 98.74 %	as balance
Manganese, Mn	<= 0.70 %	<= 0.70 %	
Silicon, Si	<= 0.50 %	<= 0.50 %	

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