

ArcelorMittal H 220 Solid solution steel, Cold rolled

Category : Metal , Ferrous Metal , Alloy Steel

Material Notes:

Available in the following: uncoated (HC220P) and electrogalvanized (HC220P+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-220-Solid-solution-steel-Cold-rolled.php

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------------------|----------------------|------------------------------|
| Tensile Strength, Ultimate | 340 - 400 MPa | 49300 - 58000 psi | |
| Tensile Strength, Yield | 220 - 280 MPa | 31900 - 40600 psi | |
| Elongation at Break | >= 32 % | >= 32 % | L₀=80 mm, th<3 mm |
| Fatigue Strength | <= 275 MPa | <= 39900 psi | |
| | @# of Cycles 2.00e+6 | @# of Cycles 2.00e+6 | |
| | <= 275 MPa | <= 39900 psi | |
| | @# of Cycles 1.00e+7 | @# of Cycles 1.00e+7 | |
| | <= 295 MPa | <= 42800 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 % | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China