# ArcelorMittal 04 High formability steel for drawing, Cold rolled

**Category :** Metal , Ferrous Metal , Alloy Steel

**Material Notes:**

Available in the following: uncoated (DC04) and electroglavanized (DC04+ZE) Description: This range of non-alloyed mild steels is designed for deep and extra deep drawing applications. These products are used extensively in the automotive industry, both for visible and structural parts. The guaranteed low scatter in their mechanical properties ensures optimum productivity in drawing press operations. The range of cold rolled steels has been extended to include the ultra high drawability quality. ArcelorMittal 07, ensuring maximum efficiency in the production of the most difficult- to-form parts (body sides, door liners, tailgates, etc.). The range of ArcelorMittal hot rolled mild steels covers the four levels of drawing difficulty listed below:ArcelorMittal 12: for drawing, with minimum guaranteed yield strengthArcelorMittal 13: for deep drawingArcelorMittal 14: for very deep drawingArcelorMittal 15: for drawing particularly difficult parts requiring performance regularity at high production rates (transfer presses). These ArcelorMittal steel grades are non-ageing, conserving their mechanical properties and their formability over time. They are also suitable for class 1 hot dip galvanizing according to the EN 36503 standard. The ArcelorMittal range offers better guarantees than the usual standard-compliant drawing steels, while remaining compatible with standards.Applications: These ArcelorMittal steels are designed for deep and extra deep drawing of visible and structural parts.Information provided by ArcelorMittal

Order this product through the following link:
http://www.lookpolymers.com/polymer_ArcelorMittal-04-High-formability-steel-for-drawing-Cold-rolled.php

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Tensile Strength, Ultimate | 280 - 340 MPa | 40600 - 49300 psi | |
| Tensile Strength, Yield | 160 - 200 MPa | 23200 - 29000 psi | |
| Elongation at Break | >= 38 % | >= 38 % | L<Sub>0</sub>=80 mm, th<3 mm |
| Fatigue Strength | <= 272 MPa<br>@# of Cycles 1.00e+7 | <= 39500 psi<br>@# of Cycles 1.00e+7 | |
| | <= 273 MPa<br>@# of Cycles 1.00e+8 | <= 39600 psi<br>@# of Cycles 1.00e+8 | |
| | <= 287 MPa<br>@# of Cycles 1.00e+6 | <= 41600 psi<br>@# of Cycles 1.00e+6 | |

| Component Elements Properties | Metric | English | Comments |
|---|---|---|---|
| Carbon, C | <= 0.080 % | <= 0.080 % | |
| Iron, Fe | >= 99.32 % | >= 99.32 % | as balance |
| Manganese, Mn | <= 0.50 % | <= 0.50 % | |
| Silicon, Si | <= 0.10 % | <= 0.10 % | |

## 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**