

Niagara LaSalle 1117 Cold Finished Steel Bar

Category : Metal , Ferrous Metal , Carbon Steel , AISI 1000 Series Steel , Low Carbon Steel

Material Notes:

This is a resulphurized steel with good machinability and surface finish, but not as good as the standard screw stocks. Its case hardening characteristics are superior and it develops an excellent core. It brazes satisfactorily but has no more than fair welding properties. This is a more ductile steel than others of lower manganese content and it cold forms well. Its machinability is rated at 89% of 1212. Information provided by Niagra LaSalle Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Niagara-LaSalle-1117-Cold-Finished-Steel-Bar.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------|-----------|----------|
| Hardness, Brinell | 137 | 137 | |
| Tensile Strength | 476 MPa | 69000 psi | |
| Tensile Strength, Yield | 400 MPa | 58000 psi | |
| Elongation at Break | >= 15 % | >= 15 % | 2" |
| Reduction of Area | 40 % | 40 % | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|-----------------|-----------------|------------|
| Carbon, C | 0.14 - 0.20 % | 0.14 - 0.20 % | |
| Iron, Fe | 98.33 - 98.78 % | 98.33 - 98.78 % | as balance |
| Manganese, Mn | 1.0 - 1.3 % | 1.0 - 1.3 % | |
| Phosphorous, P | <= 0.040 % | <= 0.040 % | |
| Sulfur, S | 0.080 - 0.13 % | 0.080 - 0.13 % | |

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