

## Niagara LaSalle 1144 Cold Finished Steel Bar

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

### Material Notes:

A high manganese, medium carbon, resulphurized steel with free machining qualities and higher mechanical properties than the lower carbon steels. This grade machines at 83% of 1212 with excellent as machined finish. It induction hardens satisfactorily, but the sulfides can contribute to quench cracking. It is difficult to weld. Information provided by Niagra LaSalle Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Niagara-LaSalle-1144-Cold-Finished-Steel-Bar.php](http://www.lookpolymers.com/polymer_Niagara-LaSalle-1144-Cold-Finished-Steel-Bar.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	217	217	
Tensile Strength	745 MPa	108000 psi	
Tensile Strength, Yield	621 MPa	90000 psi	
Elongation at Break	>= 10 %	>= 10 %	2"
Reduction of Area	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.40 - 0.48 %	0.40 - 0.48 %	
Iron, Fe	97.5 - 98.01 %	97.5 - 98.01 %	as balance
Manganese, Mn	1.35 - 1.65 %	1.35 - 1.65 %	
Phosphorous, P	<= 0.040 %	<= 0.040 %	
Sulfur, S	0.24 - 0.33 %	0.24 - 0.33 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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