

## Wingate Alloys Nicro 45 Ultra High Strength Alloy Wear Plate

Category : Metal , Ferrous Metal , Alloy Steel

**Material Notes:**

Nicro-45 air hardened, high alloy steel is intended specifically for applications requiring a high degree of abrasion and wear resistance. Unlike normal quenched and tempered material, high-heat cycling with air-cooling alone will not result in loss of hardenability and wear resistance. Used by industries such as mining, forestry, quarrying and construction. Nicro 45 is the cost-effective choice for parts subjected to extremely high levels of wear. Information from Wingate Alloys Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wingate-Alloys-Nicro-45-Ultra-High-Strength-Alloy-Wear-Plate.php](http://www.lookpolymers.com/polymer_Wingate-Alloys-Nicro-45-Ultra-High-Strength-Alloy-Wear-Plate.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	420 - 465	420 - 465	
Tensile Strength	1450 MPa	210000 psi	
Tensile Strength, Yield	1250 MPa	181000 psi	
Elongation at Break	11.5 %	11.5 %	2[in]

Component Elements Properties	Metric	English	Comments
Boron, B	0.0040 %	0.0040 %	
Carbon, C	0.25 %	0.25 %	
Chromium, Cr	1.6 %	1.6 %	
Iron, Fe	92.916 %	92.916 %	
Manganese, Mn	1.0 %	1.0 %	
Molybdenum, Mo	0.35 %	0.35 %	
Nickel, Ni	3.5 %	3.5 %	
Phosphorous, P	0.30 %	0.30 %	
Silicon, Si	0.35 %	0.35 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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