

AMS 5844, AMS 5845 - MP35N® NICKEL ALLOY

Nickel Alloy MP35N® (AMS 5844, AMS 5845) is an ultra-high strength nickel-cobalt alloy, with good ductility, oxidation and corrosion resistance which is hardened through work hardening and ageing.

Specific Gravity																																																																			
Typical Applications			Related Specifications																																																																
Fasteners			AMS 5844 AMS 5845																																																																
Chemical Composition (Wt %)																																																																			
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Max																																																																			
Typical Mechanical Properties																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%;">0.2% Proof Stress</th> <th style="width: 15%;">Tensile Strength</th> <th style="width: 15%;">Elongation</th> <th style="width: 15%;">Reduction of area</th> <th style="width: 5%;">Hardness</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Content</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness	Content																																																							
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Hardness after Heat Treatment																																																																			

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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