

MetalTek MTEK WC 9 Cast UNS J42045 Alloy Steel

Category : Metal , Ferrous Metal , Alloy Steel

Material Notes:

Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-WC-9-Cast-UNS-J42045-Alloy-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	229	229	
Tensile Strength, Ultimate	480 - 655 MPa	69600 - 95000 psi	
Tensile Strength, Yield	>= 276 MPa	>= 40000 psi	
Elongation at Break	>= 20 %	>= 20 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.05 - 0.18 %	0.05 - 0.18 %	
Chromium, Cr	2.0 - 2.75 %	2.0 - 2.75 %	
Iron, Fe	94.6 - 96.65 %	94.6 - 96.65 %	As Balance
Manganese, Mn	0.40 - 0.70 %	0.40 - 0.70 %	
Molybdenum, Mo	0.90 - 1.2 %	0.90 - 1.2 %	
Silicon, Si	<= 0.60 %	<= 0.60 %	

Descriptive Properties	Value	Comments
Heat Treatment	Quench & Temper	

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