

MetalTek WC 6 Cast UNS J24054 Alloy Steel

Category : Metal , Ferrous Metal , Alloy Steel , AISI 4000 Series Steel

Material Notes:

General structural use.Applications: Cylinders, rolls, hollow shafts.Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-WC-6-Cast-UNS-J24054-Alloy-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	285	285	
Tensile Strength, Ultimate	480 - 655 MPa	69600 - 95000 psi	
Tensile Strength, Yield	>= 275 MPa	>= 39900 psi	
Elongation at Break	>= 20 %	>= 20 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.05 - 0.20 %	0.05 - 0.20 %	
Chromium, Cr	1.0 - 1.5 %	1.0 - 1.5 %	
Iron, Fe	96.25 - 98 %	96.25 - 98 %	As Balance
Manganese, Mn	0.50 - 0.80 %	0.50 - 0.80 %	
Molybdenum, Mo	0.45 - 0.65 %	0.45 - 0.65 %	
Silicon, Si	<= 0.60 %	<= 0.60 %	

Descriptive Properties	Value	Comments
Heat Treatment	Quench & Temper	

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