



Material - UNI G 20 MO5

Standard Specification for Special Low Alloy Steel Sand Castings

Group - Ferrous Mild Steel Alloys

Sub Group - UNI G 20 MO5 Special Low Alloy Steel Sand Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.230	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 1.000		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Molybdenum	Mo %	0.400 - 0.600		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	0.400 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 440 - 590 Yield Strength in Mpa 245 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 20 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA217 WC1	ASME	USA	Casting
G20 Mo 5	EN	European Union	Casting
SCPH 11	JIS	Japan	Casting
A352 LC1	ASTM	USA	Casting
G 20 MO5	DIN	Germany	Casting
J12524	UNS	USA	Casting
A217 Grade WC1	ASTM	USA	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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