

Material - ASTM A567 Grade HK 40

Standard Specification for Iron - Base Alloy Castings, for High Strength at Elevated Temperatures

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A 567/A 567M Iron - Base Alloy Castings, for High Strength at Elevated Temperatures

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 - 0.450	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	24.000 - 28.000		
Nickel	Ni %	18.000 - 22.000		
Molybdenum	Mo %	0.500 max.		
Nitrogen	N %	0.050 - 0.150	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	425 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 Grade HK 40	ASME	USA	Casting
310 C 45	BS	British	Casting
40 CrNiSi 25-20	MSZ	Hungary	Casting
1.4848	DIN	Germany	Casting
SCH 22	JIS	Japan	Casting
A-608 Grade HK 40	ASME	USA	Casting
A351 HT30	ASTM	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.