

This page is mainly introduced the ASTM A638 Grade 660B 660D Alloy A286 Datasheet, including chemical information, mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, etc. It also contains the use of ASTM A638 Grade 660B 660D Alloy A286, such as it is commonly used in bars, sheet, plates, steel coils, steel pipes, forged and other materials application.

Datasheet for Steel Grades Special Alloy ASTM A638 Grade 660B 660D Alloy A286

ASTM A638 Grade 660B 660D Alloy A286 Standard Number:

ITEM	Standard Number	Descriptions
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ASTM A638 Grade 660B 660D Alloy A286 Chemical composition (mass fraction) (wt.%)

Chemical			Min.(%)				Max.(%)		
C	Si	Mn	P	S	Cr	Ni	Mo	V	Ta
0.08	1.0	2.00	0.040	0.030	13.00-16.00	24.00-27.00	1.00-1.50	0.10-0.50	
W	N	Cu	Co	Pb	B	Nb	Al	Ti	Other
		0.30			0.01		0.35	1.90-2.35	

ASTM A638 Grade 660 Alloy A286 stockholders and suppliers, delivering

to the whole of the HAIHONG are suppliers of grade A286 round bar,

diameters. A precipitation hardening stainless type steel suitable for

applications at high temperature. This grade is suitable for applications

requiring good corrosion resistance and high strength in temperatures

up to 700°C. It can be used at higher temperatures for lower stress

applications.

ASTM A638 Grade 660B 660D Alloy A286 Physical Properties

Tensile strength	115-234	σ_b /MPa
Yield Strength	23	$\sigma_{0.2} \geq$ /MPa
Elongation	65	$\delta_5 \geq$ (%)
ψ	-	$\psi \geq$ (%)
Akv	-	Akv \geq J
HBS	123-321	-
HRC	30	-

ASTM A638 Grade 660B 660D Alloy A286 Mechanical Properties

Tensile strength	231-231	σ_b /MPa
Yield Strength	154	$\sigma_{0.2} \geq$ /MPa
Elongation	56	$\delta_5 \geq$ (%)
ψ	-	$\psi \geq$ (%)
Akv	-	Akv \geq J
HBS	235-268	-
HRC	30	-

ASTM A638 Grade 660B 660D Alloy A286 Heat Treatment Regime

Annealing	Quenching	Tempering	Normalizing	Q & T
√	√	√	√	√

ASTM A638 Grade 660B 660D Alloy A286 Range of products

Product type	Products	Dimension	Processes	Deliver Status

Plates / Sheets	Plates / Sheets	0.08-200mm(T)*W*L	Forging, hot rolling and cold rolling	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Steel Bar	Round Bar, Flat Bar, Square Bar	Φ8-1200mm*L	Forging, hot rolling and cold rolling, Cast	Black, Rough Turning, Shot Blasting,
Coil / Strip	Steel Coil /Steel Strip	0.03-16.0x1200mm	Cold-Rolled & Hot-Rolled	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Pipes / Tubes	Seamless Pipes/Tubes, Welded Pipes/Tubes	OD:6-219mm x WT:0.5-20.0mm	Hot extrusion, Cold Drawn, Welded	Annealed, Solution and Aging, Q+T, ACID-WASHED

We can produce Special Alloy the specifications follows: