GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-6 P460QL1 I 1.8872

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10028-6 P460QL1 I 1.8872 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.180 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.700 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.008 max.
Nitrogen	N %	0.015 max.
Boron	B %	0.005 max.
Chromium	Cr %	0.500 max.
Molybdenum	Mo %	0.500 max.
Copper	Cu %	0.300 max.
Niobium	Nb %	0.050 max.
Nickel	Ni %	1.000 max.
Titanium	Ti %	0.030 max.
Vanadium	V %	0.080 max.
Zirconium	Zr %	0.050 max.

Chemical Composition		
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
Heat Treatment		
As-Raw or Quenching & Tempering		
Mechanical Properties		
Tensile Strength in Mpa	550 - 720	
Yield Strength in Mpa	460 min.	
Elongation in %	19 min.	
Reduction of Area in %	-	
Hardness in HB	-	
Impact in Joule	60 @ RT	

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10028-6 P 460 QL1	AFNOR NF	France	Steel
EN 10028-6 P 460 QL1	DIN	Germany	Steel
EN 10028-6 1.8872	DIN	Germany	Steel
10028-6 1.8870	EN	European Union	Steel
10028-6 1.8871	EN	European Union	Steel
10028-6 1.8864	EN	European Union	Steel
10028-6 P 460 QL 2	EN	European Union	Steel

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