GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 202 Grade Al-11.5%Si AlloyI4600

Standard Specification for Aluminium Casting Alloy Ingots and Castings for Aircraft Purposes

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 202 Grade Al-11.5%Si AlloyI4600 Aluminium Casting Alloy Ingots and Castings for Aircraft Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Ingot and Casting

Chemical Composition		
Copper	Cu %	0.100 max.
Magnesium	Mg %	0.100 max.
Silicon	Si %	10.000 - 13.000
Iron	Fe %	0.600 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	0.100 max.
Zinc	Zn %	0.100 max.
Lead	Pb %	0.100 max.
Tin	Sn %	0.050 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	160 min.
Proof Stress in Mpa	55 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 617 Grade 4600	IS	India	Ingot and Casting
IS 617 Grade 4600A	IS	India	Ingot and Casting
1490 LM6	BS	British	Ingot and Casting
1490 LM20	BS	British	Ingot and Casting
3522 Al-Si12	ISO	International	Casting
3522 Al-Si12 Fe	ISO	International	Casting
H 5302 ADC2	JIS	Japan	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

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.