GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A476

Standard Specification for Ductile Iron Castings for Paper Mill Dryer Rolls

Group - Ferrous Ductile Iron Alloys

Sub Group - ASTM A476 Ductile Iron Castings for Paper Mill Dryer Rolls

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	3.000 min.
Silicon	Si %	3.000 max.
Phosphorus	P %	0.080 max.
Sulphur	S %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Stress Relieved

Mechanical Properties	
Tensile Strength in Mpa	555 min.
Yield Strength in Mpa	415 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F34100	UNS	USA	Casting
A 395 Grade 60-40-18	ASTM	USA	Casting
SA-395 60-40-18	ASME	USA	Casting
SA-476	ASME	USA	Casting
J 2515 Si-Mo Ductile Grade A	SAE	USA	Casting
J 2515 Si-Mo Ductile Grade B	SAE	USA	Casting
J 2515 Si-Mo Ductile Grade C	SAE	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

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.