GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4771 Type 3 HCrNi27 I 400

Standard Specification for Abrasion-Resistant Iron Casting

Group - Ferrous Cast Iron Alloys

Sub Group - IS 4771 Type 3 HCrNi27 I 400 Abrasion-Resistant Iron Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	2.300 - 3.000
Silicon	Si %	0.200 - 1.500
Manganese	Mn %	1.500 max.
Nickel	Ni %	1.200 max.
Chromium	Cr %	24.000 - 28.000
Molybdenum	Mo %	0.600 max.
Sulphur	S %	0.150 max.
Phosphorus	P %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HBW	550 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1695 0.9650	DIN	Germany	Casting
1695 G-X 260 Cr 27	DIN	Germany	Casting
8273 OX 260 Cr 27	MSZ	Hungary	Casting
32-058 Z 270 C 27-M	AFNOR NF	France	Casting
4844 3D	B.S.	United Kingdom	Casting
1695 0.9655	DIN	Germany	Casting
1695 G-X 300 CrMo 27 1	DIN	Germany	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.