



Lot No : 010000342342 Sl.No :0
Mat.Des : RM - 42CRMO4, 75RCS REV.01

No.Of.Bars:

ICIN Number: 5000355917	Matl : MA003L01075.0R	Supplier : JSW Steel Limited	Supp TC No 232203	Heat Number : A5355
PO Number : 4500012833	Size : 75.000 RCS	Supp TC date : 09:02:2018	Qty in MT : 8.820	Batch : 0000663154

Chemical composition in %

		C	Mn	Si	P	S	Ni	Cr	Mo	V	Cu	Nb	B	Al	Ti	Co	Sn	Fe	Sb	Pb	As	Ca	W	Zr	Ta	N2	H2	O2	CE1	CE2
As per Spec.	Min	0.3800	0.6000	0.1500		0.0200		0.9000	0.1500												0.0000									
	Max	0.4500	0.9000	0.4000	0.0250	0.0350	0.2000	1.2000	0.3000	0.0300	0.3500						0.0300		0.0100		0.0100					0.0100	0.0002	0.0020		
Act. Analysis	1	0.4120	0.7410	0.2660	0.0110	0.0230	0.0090	1.0900	0.2180	0.0020	0.0100						0.0020		0.0010		0.0080									
	2	0.4020	0.7300	0.2630	0.0100	0.0240	0.0120	1.0800	0.2150	0.0020	0.0100						0.0020		0.0010		0.0070									
	3	0.4030	0.7650	0.2670	0.0110	0.0240	0.0120	1.0900	0.2130	0.0020	0.0120						0.0020		0.0010		0.0070									
	4	0.4040	0.7520	0.2680	0.0110	0.0220	0.0110	1.0900	0.2190	0.0020	0.0110						0.0020		0.0010		0.0070									
	5	0.4100	0.7550	0.2740	0.0100	0.0220	0.0150	1.1000	0.2120	0.0020	0.0110						0.0020		0.0010		0.0050									
As per Tc	1	0.4080	0.7400	0.2500	0.0090	0.0230	0.0240	1.0900	0.2020	0.0020	0.0240						0.0010		0.0010		0.0010					0.0058	0.0002	0.0012		

Visual

Size & Surface satisfactory

Shearabilit

na

Forgeability

ok

Mechanical properties

[illegible]

Micro

Inclusion rating (%)	A Thin/Thick	B Thin/Thick	C Thin/Thick	D Thin/Thick	Grain size (ASTM)	Decarb (mm)	Macro	Step Down	Bend Test
As per Spec. Min					5.00				
Max	2.00 /1.00	2.00 /1.00	0.50 /0.50	1.00 /1.00	8.00				
Tested Value	1.00 /0.50	1.00 /-	- /-	1.00 /-	7.00		C2S2R2		
As Per TC Value	2.00 /1.00	0.50 /-	- /-	0.50 /-	7.00		C2S2R2		

[illegible]

Any other test specified :100% UT & MPI Tested at supplier end

Our RM color code: Yellow / Light Green

Remarks:Material accepted

Heat code allocated: **ZBO**

Tested By : LAB2

Lot Cleared Date:27.02.2018

Head Metallurgy