



Lot No : 010000339387 SI.No :0
Mat.Des : RM - 42CRMO4, 75RCS REV.01

Supplier : JSW Steel Limited
Supp TC date : 17:01:2018

Heat Number : E71505

Batch : 0000657336

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	0.4020	0.7450	0.2230	0.0090	0.0220	0.0090	1.1100	0.2230	0.0050	0.0110						0.0020				0.0050										
	2	0.4100	0.7460	0.2190	0.0080	0.0220	0.0100	1.1200	0.2160	0.0040	0.0110						0.0020				0.0050										
	3	0.4050	0.7240	0.2220	0.0090	0.0210	0.0120	1.1000	0.2160	0.0030	0.0120						0.0020				0.0050										
	4	0.4030	0.7440	0.2300	0.0080	0.0220	0.0140	1.1100	0.2130	0.0040	0.0120						0.0020				0.0050										
	5	0.4020	0.7400	0.2250	0.0100	0.0210	0.0120	1.1200	0.2140	0.0020	0.0100						0.0020				0.0050										
As per Tc	1	0.4020	0.7420	0.2270	0.0110	0.0230	0.0240	1.1100	0.2150	0.0020	0.0130						0.0050				0.0010					0.0060	0.0001	0.0011			
Visual			Size & Surface satisfactory																			Shearability			NA		Forgeability			OK	

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 /0.50	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: YXN

Tested By :LAB2

Lot Cleared Date:13.02.2018

Head Metallurgy