



RAW MATERIAL INCOMING INSPECTION REPORTS

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Report NO: 1781
DATE: 31/12/25
GRADE: S690M27

SECTION: 130mm
STEEL SUPPLIER: KISCO
STEEL TC NO: 1479

HAET NO: KAY-2028
REC.QTY: 10465 kg
NO. OF BARS: 24

INVOICE NO: 01719
INVOICE DATE: 31/12/25

Process / Mfg Route: EF + (PF + VD) Fully Killed Bottom Poured Ingot

	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Pb	%Ca	%Nb	%Ti	%B
Chemistry	0.20	1.70	0.30	0.010	0.025	1.5	0.00	0.70	—	0.50	—	—	0.12	—	—	—	0.05	0.005
Min	0.187	1.2	0.288	0.003	0.010	1.1	1.912	0.335	0.021	0.106	—	—	0.080	—	—	0.005	0.003	0.0002
Max	0.187	1.2	0.288	0.003	0.010	1.1	1.912	0.335	0.021	0.106	—	—	0.080	—	—	0.005	0.003	0.0002
Mill Tc Value	0.187	1.2	0.288	0.003	0.010	1.1	1.912	0.335	0.021	0.106	—	—	0.080	—	—	0.005	0.003	0.0002
Spectro Value	0.187	1.2	0.288	0.003	0.010	1.1	1.912	0.335	0.021	0.106	—	—	0.080	—	—	0.005	0.003	0.0002

Bar Size (As per WI...): Qty: 10 % Of Total Heat

Diameter/Section Size (in mm)

S.NO.	1	2	3	4	5	6	7	8	9	10	11	12
No of Bar Checked	130.4	130.2	130.2	130.2	130.3	130.4	130.3	130.6	130.5	131.1	130.4	130.4

Gas Content (PPM): As per Mill Tc

	N2	H2	O2
Min	—	—	—
Max	—	—	—
Value	—	—	—
Mill Tc	—	—	—

Steel Supply Condition: Hot Rolled

MACRO (i) Internal soundness Sample: (ASTM E381 or as per customer) S R C
Value Obs. S1 P2 C2

(ii) Dendrite structure 01 sample: —

(iii) Step Down Test Sample: (S4075 or as per customer) —

Micro structure As Rolled: Micro structure: (or as per customer)
Mill Tc: —
SSB: —

ULTRASONIC TEST (AS PER ASTM A388): Mill Tc 4mm FBH on TDC Scale

INCLUSION RATING (IS 14163 / ASTM: E45A OR REQUIRED BY CUSTOMER)

	A Sulphide		B Aluminate		C Silicate		D Oxide		DS	
	TN	TK	TN	TK	TN	TK	TN	TK	TN	TK
Cust Spec. If Any	—	—	—	—	—	—	—	—	—	—
Mill Tc	—	—	—	—	—	—	1.0	1.0	—	—
SSB	—	—	—	—	—	—	1.0	1.0	—	—

GRAIN SIZE: Spec: — Mill Tc 6.5-7.0 SSB 6

JOMINY HARDENBILITY IS-3848 / ASTM A255 (As per required by Customer)

	Distance	Specified	Observed
Specified	—	—	—
Observed	—	—	—

MECHANICAL PROPERTIES: (If Required in TDC / Customer)

	As per IS:1608 / ASTM A 370			As per IS: 1757	
	U.T.S N/mm2 / MPA	Y.S N/mm2 / MPA	%EL	IMPACT VALUE CHARRY	IMPACT VALUE IZOD
Specified	710-900	530 min	14 min	30 J min	—
Observed	821.52	739.8	24.5	40 J	—

As Rolled Hardness (BHN (Max / Min)) (If Required in TDC / Customer)

	1	2	3	4	5
Specified	—	—	—	—	—
Observed	—	—	—	—	—

VISUAL:

(i) Surface Condition 100 % Bars Checked OK

(ii) Heat No. 100 % Bars Checked OK

(iii) Color Code. 100 % Bars Checked OK

REDUCTION RATIO: Specify — BLOOM SIZE: — REDUCTION RATIO: —

(If Required in TDC / Customer) As Per Mill Tc

DECARB LEVEL: (AS PER IS 6396 / ASTM E1077)

	Specified	Observed	PD	FD
Specified	—	—	—	—
Observed	—	—	—	—

UPSETIBILITY TEST (AS PER IS 10167): —

Test Certificate verified for Each Heat no:

	Available & Ok	Not Available	Not Conforming
Specified	—	—	—
Observed	—	—	—

TDC / Customer STD SSB/TDC/ Mill Tc No. 1479 Mill Tc Date 25/12/25 Verified By: [Signature]

(If Required in TDC / Customer) KCP/22-23/1005, 23

MIX-UP TEST (If Required in TDC / Customer)

Verified By Mobile Spectro / X-Ray Gun / Spark Test

	Accepted	Rejected
Specified	—	—
Observed	—	—

Other Remarks: [Signature]

Checked By: [Signature] Approved By: [Signature]