



CORPORATE PURCHASING SPECIFICATION

AA10739

Rev No. 08

PAGE 1 of 2

AUSTENITIC STAINLESS STEEL SHEETS, PLATES AND STRIPS - SOLUTION ANNEALED (ASTM A240M, TYPE 304)

(ORDERING DESCRIPTION)

1 GENERAL:

The sheets, plates and strips shall conform to the latest version of ASTM A240M, Type 304 and comply with the following additional requirements.

2 APPLICATION:

For general engineering purposes, where corrosion resistance is essential.

3 CONDITION OF DELIVERY:

Hot/Cold rolled, solution annealed and descaled (Finish number 1 or 2 B/2D).

4 DIMENSIONS AND TOLERANCES:

Material shall be supplied to the dimensions specified in BHEL order.

5 CHEMICAL COMPOSITION:

As per ASTM A240M, Type 304.

6 TEST CERTIFICATES:

Three copies of test certificates shall be supplied along with the following information:

BHEL References:

AA10739 -Rev. No.08 / ASTM A240M, Type: 304

BHEL order No

Supplier's References:

Name

Identification No.

Melt No.

Process of manufacture

Details of heat treatment.

Result of Tests:

Dimensional inspection.

Results of chemical analysis, mechanical tests

Revisions:

Cl. 28.4.16 of MOM of MRC-S&GPS

APPROVED:

INTERPLANT MATERIAL RATIONALISATION
COMMITTEE – MRC(S&GPS)

Rev No.08

Amd No.

Reaffirmed

Prepared
HEEP, Haridwar

Issued
Corp.R&D

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June 1978

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Year:2019

**7 PACKING AND MARKING:**

Sheets shall be supplied in bundles or in packages each weighing up to a maximum of 3000kg. Plates shall be suitably packed to prevent damage during transit.

For plates below 25mm thick, each pile (preferably of 16 plates) shall be marked with suppliers identification mark, 'AA10739 / ASTM A240 M, Type:304, melt No., BHEL order No., on the top plate.

Each plate of 25mm thickness and above shall be stamped/painted with the suppliers identification mark, 'AA10739 / ASTM A240 M, Type:304 , melt No., BHEL order No., on the top plate.

FOR INFORMATION ONLY

CHEMICAL COMPOSITION

C	Si	Mn	Ni	Cr	S	P	N
≤ 0.08	≤ 0.75	≤ 2.0	8.0-10.5	18.0-20.0	≤ 0.030	≤ 0.045	0.10

MECHANICAL PROPERTIES

Hardness Max		0.2% PS min N/mm ²	UTS min N/mm ²	% El min	Bend Test Dia.
BHN	HRB				
201	92	205	515	40	---