

Form No:	 PE&SD	BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION	PY 52 146
		TECHNICAL SPECIFICATION	Rev. No. 00
		NON METALLIC GASKETS SHEET FOR PIPE FLANGE CONNECTIONS	Page 1 of 2

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1.0 GENERAL

- 1.1 This standard specifies requirements related to Designation, Material, Sizes, Dimensions and other information required for ordering purposes of Non Metallic Gaskets for Flat Face Flanged connections.
- 1.2 The Gaskets sheet shall conform to the requirements of latest version of **ASME Standard B16.21 (Non Metallic Gaskets for Pipe Flanges)** and comply with the following additional requirements.

2.0 MATERIAL:

The material shall consist of fibres and inorganic fillers bonded with a suitable elastomer or blend of elastomers, and shall be manufactured in the form of sheets. The fibres shall be uniformly dispersed throughout the jointing.
Material shall be BS 7531 grade X or Equivalent.

3.0 DIMENSIONS, TOLERANCES AND OTHER REQUIREMENTS:

- 3.1 Dimensions: The material shall be supplied to the dimensions specified on the order.
Recommended size: 1500X1500 mm (unless otherwise specified).
- 3.2 Thickness: Thickness of Sheet shall be 2.0mm
- 3.3 Tolerances: As per BS 7531

4.0 SIZE AND FACE:

Gasket Sheet Size (in mm) shall be as per BHEL Enquiry/Order.

5.0 DESIGNATION:

Non Metallic Gasket Sheet as per BS 7531 Grade X for Flat Face Flange connections.
Shall be designated as "**NAB Sheet BS 7531 Grade X**".

6.0 TEST CERTIFICATES:

Three copies of test certificates consisting of mechanical properties and chemical composition of the metals shall be furnished.

7.0 MARKING AND PACKING:

- 7.1 The gasket centering ring shall be stamped with the following details:
 - a) BHEL Standard No. PY 52 146
 - b) Standard Marking as per clause 3.4 of ASME B16.21
 - c) Manufacturer's Name or Trade Mark.
 - d) Gasket identification number specified by BHEL in the order.
- 7.2 The gasket sheet shall be enclosed in a moisture resistant wrapping and packed in such a manner as to prevent damage in transit or during storage.

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Refer Doc	LAYOUTS & PIPING ENGINEERING	PREPARED	CHECKED	APPROVED	DATE
		 CH MANOJ	 SRIKANTH G	 S B RAO	14.12.15

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RECORD OF REVISIONS:

Rev	Date	Revision Detail	Revised by	Approved by
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