

WAP / M / SPECN-1 / 075 /1999

ALT	DATE	JOB No.	APPROVAL

GOVERNMENT OF INDIA
(Ministry of Railways)

**SPECIFICATION FOR
FILTER BAG WITH
HANGING HOOK.**

Issued by

MECHANICAL DRAWING OFFICE
WHEEL & AXLE PLANT
YELAHANKA, BANGALORE-560 064
I N D I A

		<i>Kobade</i> 9/8/99.
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I. SPECIFICATION FOR SPECIAL FILTER BAGS:1) SCOPE:

The specification covers manufacture and supply of special polyester filter bags to Wheel & Axle Plant, Yelahanka, Bangalore - 560 064 in Karnataka State, India.

2) GENERAL DESCRIPTION:

Speical polyester filter bags as per drg. no.712 9007 10070.

3) JOB REQUIREMENTS:

These are required to be used in the dust collector system of Wheel Hub Cutters of wheel processing unit in order to filter the dust.

The dust collector separate the dust from the air of an exhaust system by drawing (section) of blowing (pressure) dust lader air through a series of cloth bags which filter the dust from the air.

4. TECHNICAL REQUIREMENTS:

4.1 YARN: The item is continuous multifilament or monofilament or spun polyester yarn and made from virgin polyester filament only. The Identification of polyester filament may be done accorsing to IS 667-1981.

4.2 CLOTH: Polyester filter cloth will be to IS:11575-1986.

4.3 The ployester filter cloth, when visually examined, shall be reasonably free from weaving and other processing defects.

4.4 The ployester filter cloth shall be heat set to obtain dimensional stability.

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4.5 The filter cloth shall comply with the requirement given below:

Varity No.	Ends per dm.	Picks per dm.	MASS. (g/m ²)	BREAKING LOAD 5X20 CM. STRIP. MIN.		AIR PERMEABILITY. cm ³ /cm ² /s	DIMENSIONAL CHANGES ON WASHING (TO BE TESTED IN BOILING WATER)	WAVE
				WARP (N)	WEFT (N)			
1.	392	208	145	1050	650	7.0	shall not exceed ± 2 percent in both length and width directions.	2/2 TWILL

5. MARKING:

5.1 The filter cloth shall be marked with the following:

- a) Name of the material;
- b) Varity no 1.
- c) Manufacturer's name, Initials or trade mark, if any; and
- d) Month and year of the manufacture.

6. SAMPLING AND CRITERIA FOR CONFORMITY:

- 6.1 For ends per dm, picks per dm, mass in g/m² and breaking load tests, the scale of sampling and criteria for conformity procedures as laid down in IS:3919-1966 shall be followed.
- 6.2 For air permeability test the scale for sampling and criteria for conformity shall be same as that of the breaking load test specified in IS:3919-1966.

7. TESTING:

7.1 The manufacturer/supplier has to produce the test certificate for Clause No.4 alongwith the material.

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