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TSD 6206 A

## PLANT PURCHASING SPECIFICATION BHOPAL

BP 25694

REV NO. 04

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SUPERSEDES  
BP 25694 Rev.03

### BRAIDED SOLID GLASS CORD

#### 1. GENERAL:

This specification governs the quality of braided solid glass cord made from electrical grade 'E' glass yarn in the loom state condition.

#### 2. APPLICATION :

For use as binding material in Traction Machines.

#### 3. COMPLIANCE WITH NATIONAL STANDARDS :

There is no Indian Standard covering this material.

#### 4. TEST METHOD :

Test shall be conducted in accordance with IS:5352.

#### 5. DIMENSIONS AND TOLERANCES :

##### 5.1 Preferred Diameters and Tolerances:

$3.2 \pm 0.2$  ,  $6.0 \pm 0.4$  ,  $7.0 \pm 0.5$  mm &  $10.0 \pm 0.5$  mm.

##### 5.2 Length : Shall be specified on the order.

#### 6. CONSTRUCTION:

The cord shall be braided on 16 spindles as follows:

Cover No	No. of Ends			
	3.2 Dia	6 mm Dia	7 mm Dia	10 mm Dia
1st	48	48	48	48
2nd	96	96	48	48
3rd	96	96	64	64
4th	Nil	Nil	Nil	64
5th	Nil	Nil	Nil	64
6th	Nil	Nil	Nil	64

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STANDARDS AND MATERIALS GROUP  
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### 7. PHYSICAL PROPERTIES :

Weight for 100 metre long cord :

3.2 mm Dia	: 1150 gms, Min.
6 mm Dia	: 4200 ± 300 gms
7 mm Dia	: 5500 gms, Min.
10 mm Dia	: 12500 gms, Min.

Test shall be done by weighing one metre long sample.

### 8. CHEMICAL PROPERTIES :

Lubricant Content :

2.5 % Max., When tested as per IS:5352

### 9. MECHANICAL PROPERTIES:

Breaking Load :

3.2 mm Dia	: 100 Kg, Min
6 mm Dia	: 200 Kg, Min
7 mm Dia	: 400 Kg, Min
10 mm Dia	: 800 Kg, Min

Test shall be done by any conventional method

### 10. TEST CERTIFICATE:

Unless otherwise specified, three copies of test certificates shall be supplied with each consignment.

In addition, the supplier shall ensure to enclose one copy of the test certificate alongwith their despatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information:

BP 25694 : Braided Solid Glass Cord.  
Rev.04

BHEL Order No.

Diameter & Length.

Batch / Lot No.

Test results obtained for physical, chemical and mechanical properties and the Dimensional tolerances as per the specification.



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**11. PACKING AND MARKING:**

Cord shall be wound on reels. Length of cord on each reel shall be as specified on the order. Each reel shall be packed with cloth and wrapped with polythene sheet and they shall then be packed in wooden boxes with waterproof lining.

Each box shall be marked with the following.

BP 25694 : Braided Solid Glass Cord.

Manufacturer/Supplier's Name

Batch / LOt No.

Diameter & Length

BHEL Order No.

Net Weight.