



# Central Institute of Road Transport

(A unit of the Association of State Road Transport Undertakings)  
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A

## TEST REPORT

- This Test Report is in respect of the item / material actually tested.
- This Test Report or the information given therein is not to be quoted / reproduced in full or part, and not to be used for publicity or advertisement purpose.
- The Institute does not take any responsibility for preserving the sample for more than 3 months from the date of issue of Test Report.
- All disputes of any nature to this Test Report shall lie within the jurisdiction of the courts at Pune only.

Our Ref. No. : **ED/13-14/1305072708/N1790**

To

Dy.Chief Engineer (R&D)  
Maharashtra State Road Tpt. Corpn.  
Central Workshops  
Dapodi  
PUNE 411 012  
MAHARASHTRA STATE

- 8 OCT 2013

1. Nomenclature and Part No.	LOCK STRIP GASKET WITH INSERT EPDM 25MM
2. Customer's Nomenclature of item (if different)	-----
3. Sample Regn. No. /Code No.	C68515/ 1305072708
4. No. /Quantity of Sample	1 MTR
5. Sample Supplied by and Reference No.	DY.CHIEF ENGINEER (R&D),MSRTC,PUNE ST/CWDR&D/SPM/163/41772 Dtd. 01/10/2013
6. Name of manufacturer	NOT KNOWN
Marking on the sample	NO MARK
7. Customer's Code No./S.T.O.	201314/0575
8. Date of receipt of sample	01/10/2013
9. Test Charges Receipt/ Technical Clearance Date	01/10/2013
10. Specifications	AS.276.68.DEC.2004

### Assessment of Test Results

The sample meets critical requirements of tests carried out but needs improvement in the parameters mentioned in Annexure 'A' and subject to these improvements being carried out, the sample is acceptable.

Encl :

1) Annexure "A"

2) Bill No. N1790

8 OCT 2013

Inward No.	2250
G. Group	1
Supdt. (R & D)	
C.E. (R & D)	

8/10/13 B

*Sheeba Rani*  
8/10/13  
**Mrs. Sheeba Rani K, Scientist B,  
Incharge Polymer Lab**

*Not Suitable*  
*RD*

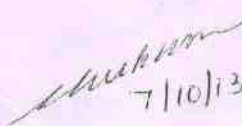
<b>TEST REPORT</b>		ANNEXURE "A1"
ENGINEERING RESEARCH CENTRE		<b>C I R T</b>
FORM NQ : ED:TP:1601:FM03		
ITEM : LOCK STRIP GASKET WITH INSERT EPDM 25MM		
SAMPLE NO: 1305072708	SPECIFICATION : AS:276:68:DEC:2004	PAGE 2 OF 3

Sr. No.	Nature of Test	Results		Remarks
		Specified	Actual	
1.0	Visual Examination(CI.3.2.)	Good workmanship, free from porosity, surface defects and dimensional irregularities.	Conforms	Meets the Specification
1.1	Marking	Mfg name and or trade mark shall be marked	NOT MARKED	Does not meet Specification ✓
2.0	Dimensions: Width at the glass resting base( CI .3.2.2)	5 +0.25 mm -0.00 mm	5.04	For Record Only
3.0	Hardness , Shore A (CI.3.2.3) ASTM D 2240	65 ± 5	60	Meets the Specification
4.0	Rubber content, min % w/w (CI.3.2.4),IS-3400 Part-22	25	42	Meets the Specification
5.0	Resistance to heat (100 ±2° C ,70 hrs.) (CI .3.2.5 ) IS-3400 Part-4	+10 -0	8	Meets the Specification
6.0	Lip opening pressure kgf/linear cm.,Min	0.7	0.7	Meets the Specification
7.0	Resistance to ozone , 1PPM,at 40 ± 2 °C , 20% elongation (C I.3.2.7 ) IS 3400 part-20	No cracks shall be observed till 100 hrs.	Conforms	Meets the Specification
8.0	Specific Gravity Max. ( CI .3.2.8 ) IS 3400 Part-9	1.25	1.209	Meets the Specification
9.0	Type of rubber (CI.3.2.9)	EPDM	EPDM	Meets the specification

**REMARK**

Grade "B"

The sample meets critical requirements of tests carried out but needs improvement in the parameters mentioned at Sr. No. 1.1 above and subject to these improvements being carried out , the sample is acceptable

  
 7/10/13  
**Sheeba Rani K. , Sc.'B'**  
**Scientist Testing**  
**Polymer Analysis Lab**



<b>TEST REPORT</b>		ANNEXURE "A2"
ENGINEERING RESEARCH CENTRE		<b>C I R T</b>
FORM	: ED:TP:1222:FM03	
ITEM : FILLER STRIP MADE OF EPDM RUBBER 25MM		
SAMPLE NO:1305072708	SPECIFICATION : AS:276:68:DEC:2004	PAGE 3 OF 3

Sr. No.	Nature of Test	Results		Remarks
		Specified	Actual	
1.0	Visual Examination (Cl.3.3, Table1, Sr.No.1)	Good workmanship, free from moulding defects	Conforms	Meets the Specification
2.0	Dimensions	As per drawing of the purchaser and shall be compatible with the rubber glazing.	Drawing is not supplied by the purchaser	For Record Only
3.0	Hardness, Shore A (Cl.3.3, Table1, Sr. No.3) ASTM D2240	70 ± 5	72	Meets the Specification
4.0	Resistance to heat (100±2° C, 70 hrs.) (Cl.3.3, Table1, Sr. No.4) (IS 3400 Part-4)			
	Change in hardness Shore 'A'	+10 -0	10	Meets the Specification
5.0	Resistance to ozone, 1PPM at 40±2°C, 100 hrs, 20% elongation (Cl.3.3, Table1, Sr. No.5) (IS 3400 Part-20)	No cracks shall be observed till 100 hrs.	Conforms	Meets the Specification
6.0	Rubber Content, % min (Cl.3.3, Table1, Sr. No.6) (IS 3400 Part-22)	25	28	Meets the Specification
7.0	Type of Rubber	EPDM	EPDM	Meets the specification

#### REMARK

#### Grade "A"

The sample meets the requirements of tests carried out and is acceptable.

*Sheeba Rani K.*  
7/10/13

Sheeba Rani K., Sc.'B'  
Scientist Testing  
Polymer Analysis Lab