



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

An ISO 9001:2008 Registered Company
An ISO 14001: 2004 Registered Company

Test Report (Outside Party Sample)

Date : 22/06/2014	: - Ref No- AS/SKC/RM/14-15/72
Sample received From	:- Mr. Avinash S.B.
Sample received date	:- 21/06/2014
Party Name	:- M/S ZENITH INDUSTRIAL MIDDLE EAST L.L.C.
Type of Product	:- Both side smooth finish Rubber Sheet(Blue).

Sr No	Parameters	Test Method	Standard Value	Observed value
1	Appearance	---	---	Both side smooth finish Rubber Sheet.
2	Colour	---	---	Blue
3	Total Thickness , mm	---	---	2.02 - 2.04
4	Specific Gravity , g/cc	ASTM D 297-93	---	1.42
5	Hardness, ° Sh A	ASTM D 2240-05	---	69 / 70
6	Mechanical Puncture test , N	CEI 61111 : 2009 (Clause no. 5.5.2)		
A.	Top Layer	CEI 61111 : 2009 (Clause no. 5.5.2)	Min 70 N	82 N
B.	Bottom Layer	CEI 61111 : 2009 (Clause no. 5.5.2)	Min 70 N	83 N
7	Mechanical Puncture test after liquid 102 Swelling (70 ± 2°C for 24 ± 0.5 hrs) , N	CEI 61111 : 2009 (Clause no. 5.10)		
A.	Top Layer	CEI 61111 : 2009 (Clause no. 5.10)	Puncture test should be min of 75 % of original	71 N
B.	Bottom Layer	CEI 61111 : 2009 (Clause no. 5.10)	Puncture test should be min of 75 % of original	73 N
8	ACID RESISTANCE (30 % sulphuric acid at 23 ± 2°C for 8 hrs)	CEI 61111 : 2009 (Clause no. 5.9)		
A.	Top Layer	CEI 61111 : 2009 (Clause no. 5.9)	Puncture test should be min of 75 % of original	64 N
B.	Bottom Layer	CEI 61111 : 2009 (Clause no. 5.9)	Puncture test should be min of 75 % of original	61 N
9	Slip Resistance , Kg	CEI 61111 : 2009 (Clause no. 5.5.3)		
A.	Top Layer	CEI 61111 : 2009 (Clause no. 5.5.3)	5 ± 0.5 Kg	6.3 Kg
B.	Bottom Layer	CEI 61111 : 2009 (Clause no. 5.5.3)	5 ± 0.5 Kg	6.4 Kg
10	Dielectric Properties			
A.	Proof test (Class 1)	CEI 61111 : 2009 (Clause no. 5.6.4.2)	10 KV for 3 min	10 KV for 3 min , Ok
	Leakage Current, mA(max)	IS 15652	10 mA	3 mA
B.	Withstand test (Breakdown Voltage)	CEI 61111 : 2009 (Clause no. 5.6.4.3)	No Electrical puncture up to 20 KV	Electrical puncture up to 22 kv fo 30 Sec.

Note :-

Authorized signatory:-

Date:-22/06/2014



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Test Report

Report No. AS/MM/RM/14-15/187

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Sample Name & Detail :-BLUE BOTH SIDE SMOOTH FINISH

Party Name :- M/S ZENITH INDUSTRIAL MIDDLE EAST L.L.C.

Date :- 01.03.2015

Sample received From

:- Mr. Avinash S.B.

Sr No	Parameters	Test Method	Standard Value	Observed value
1	Appearance	---	---	Both side smooth finish Rubber Sheet.
2	Colour	---	---	Blue
3	Total Thickness , mm	---	---	2.02 - 2.05
4	Mechanical Puncture test Before Ageing , N	CEI 61111 : 2009 (Clause no. 5.5.2)		
	Mechanical Puncture test	CEI 61111 : 2009 (Clause no. 5.5.2)	Min 70 N	91 N
5	Mechanical Puncture test (Ageing at 70 ± 2°C for 168 Hrs) , N	CEI 61111 : 2009 (Clause no. 5.7)		
	Mechanical Puncture test	CEI 61111 : 2009 (Clause no. 5.7)	Puncture test should be min of 80 % of original	106 N
6	Flame Resistance Test	CEI 61111 : 2009 (Clause no. 5.8.1)	Test as per Standard	Not Catch fire at 10 Sec
7	ACID RESISTANCE (37 % sulphuric acid at 23 ± 2°C for 8 hrs)	CEI 61111 : 2009 (Clause no. 5.9)		
A.	Mechanical Puncture test	CEI 61111 : 2009 (Clause no. 5.9)	Puncture test should be min of 75 % of original	82 N
B.	Withstand test (Breakdown Voltage)	CEI 61111 : 2009 (Clause no. 5.6.4.3)	No Electrical puncture up to 20 KV	Electrical puncture at 21.4 kv , Sample Break
8	Oil Resistance liquid 102 Swelling (70 ± 2°C for 24 ± 0.5 hrs) , N	CEI 61111 : 2009 (Clause no. 5.10)		
A.	Mechanical Puncture test	CEI 61111 : 2009 (Clause no. 5.10)	Puncture test should be min of 75 % of original	86 N
B.	Withstand test (Breakdown Voltage)	CEI 61111 : 2009 (Clause no. 5.6.4.3)	No Electrical puncture up to 20 KV	Electrical puncture at 22.6 kv , Sample Break

Note :-

Authorized signatory:-

Date:-01/03/2015