



Test Report

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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	Measured Value
1	Appearance	---	---	Both side smooth finish Rubber Sheet.
2	Colour	---	---	Blue
3	Total Thickness, mm	---	---	2.02 - 2.05
4	Specific Gravity, g/cm ³	ASTM D 297-93	---	1.42
5	Hardness, ° Sh A	ASTM D 2240-05	---	69 / 70
6	Mechanical Puncture Test before ageing, N	IEC 61111 : 2009 (Clause no. 5.5.2)	Min. 70 N	91 N
7	Mechanical Puncture Test after ageing at 70 ± 2°C for 168 hrs, N	IEC 61111 : 2009 (Clause no. 5.7)	Puncture test should give minimum of 80 % of original	106 N
8	Flame Resistance Test	IEC 61111 : 2009 (Clause no. 5.8.1)	Test as per Standard	Did not catch fire after 10 s
9	Acid Resistance Test (37% sulphuric acid at 23 ± 2°C for 8 hrs)	IEC 61111 : 2009 (Clause no. 5.9)		
A.	Mechanical Puncture Test	Clause no. 5.9	Puncture test should give minimum of 75 % of original	82 N
B.	Withstand Test (Breakdown Voltage)	Clause no. 5.6.4.3	No electrical puncture up to 20 kV	Electrical puncture occurred at 21.4 kV
10	Oil Resistance Liquid 102 Swelling (70 ± 2°C for 24 ± 0.5 hrs), N	IEC 61111 : 2009 (Clause no. 5.10)		
A.	Mechanical Puncture test	Clause no. 5.10	Puncture test should give minimum of 75 % of original	86 N
B.	Withstand Test (Breakdown Voltage)	Clause no. 5.6.4.3	No electrical puncture up to 20 kV	Electrical puncture occurred at 22.6 kV
11	Slip Resistance, kg	CEI 61111 : 2009 (Clause no. 5.5.3)		
A.	Top Layer	Clause no. 5.5.3	5 ± 0.5 kg	6.3 kg
B.	Bottom Layer	Clause no. 5.5.3	5 ± 0.5 kg	6.4 kg
12	Dielectric Properties			
A.	Proof Test (Class 1)	CEI 61111 : 2009 (Clause no. 5.6.4.2)	10 kV for 3 minutes	10 kV for 3 minutes - PASS
B.	Leakage Current, mA (max)	IS 15652	Max. 10 mA	3 mA
C.	Withstand Test (Breakdown Voltage)	CEI 61111 : 2009 (Clause no. 5.6.4.3)	No electrical puncture up to 20 kV	Electrical puncture occurred at 22 kV after 30 seconds

Note :-

Authorized signatory:- 
Date:-01/03/2015