

Laboratory Umang Boards Pvt. Ltd., A-27, RIICO Industrial Area, Kaladera, Jaipur, Rajasthan

Accreditation Standard ISO/IEC 17025: 2005

Discipline Electrical Testing **Issue Date** 15.02.2016

Certificate Number T-2745 **Valid Until** 14.02.2018

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	ELECTRICAL MATERIALS SOLID INSULATING MATERIALS			
1.	Pressboard for Electrical Purposes [Pressboard/Pre-Compressed Press board characterized by high chemical purity and mechanical strength. Type B.2 ,B.3, C & D]	Thickness	IS 1576: 1992 IEC 60641-2: 2004	Upto 25 mm, 0.01 mm
		Density	IS 1576: 1992 IEC 60641-2: 2004	Upto 5 g/cm ³ , 0.01 g/cm ³
		Tensile Strength & Elongation at break	IS 1576: 1992 IEC 60641-2: 2004	Upto 2500 kg/cm ² , 1 kg/cm ² 250 MPa, 0.1 MPa
		Compressibility	IEC 60641-2: 2004	Upto 20 %, 0.1 %
		Moisture Content	IS 1576: 1992 IEC 60641-2: 2004	Upto 20 %, 0.01 %
		Conductivity of Aqueous extract (mS/m)	IS 1576: 1992 IEC 60641-2: 2004	2 μS/cm to 2 S/cm, 0.01 μS/cm
		pH of Aqueous extract	IS 1576: 1992 IEC 60641-2: 2004	1 pH to 14 pH, 0.01 pH
		Shrinkage	IS 1576: 1992 IEC 60641-2: 2004	Upto 20 %, 0.01 %
		Electric Strength/Proof Test (kV/mm)	IS 1576: 1992 IEC 60641-2: 2004	Upto 100 kV, 0.5 kV
	Oil absorption	IS 1576: 1992 IEC 60641-2: 2004	Upto 50 %, 0.01 %	
	Ash Content	IS 1576: 1992 IEC 60641-2: 2004	Upto 5 %, 0.01 %	

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