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उत्पाद मैनुअल

कपड़ा - पर्दे और पर्दे के प्रज्वलन के लिए प्रतिरोध - विशिष्टता

IS 15741:2007 के अनुसार

PRODUCT MANUAL FOR**TEXTILES — RESISTANCE TO IGNITION OF CURTAINS AND DRAPES — SPECIFICATION**

According to IS 15741:2007

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम 2018 की स्कीम-I के तहत यह उत्पाद मैनुअल प्रमाणीकरण की संचालन रीति में सुसंगतता और पारदर्शिता सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों एवं लाइसेन्स धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेन्स/प्रमाण पत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

1.	उत्पाद Product	:	IS 15741:2007
	शीर्षक Title	:	TEXTILES — RESISTANCE TO IGNITION OF CURTAINS AND DRAPES — SPECIFICATION
	संशोधन संख्या No. of amendments	:	1
2.	नमूनाकरण दिशानिर्देश Sampling Guidelines		
a)	कच्चा माल Raw material	:	No Specific requirement
b)	समूहिकरण दिशानिर्देश Grouping Guidelines	:	Please refer Annexure-A
c)	नमूने का परिमाण Sample Size	:	10 Nos. of Curtains and Drapes
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	Please refer Annexure –B
4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection and Testing	:	Please refer Annexure - C

5.	एक दिन में संभावित परीक्षण Possible tests in a day	:	Testing done on preconditioned samples for the following requirements: 1. Ignitability 2. Durability of fire retardant property
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6.	लाइसेन्स का कार्यक्षेत्र/ Scope of the License:		
	License is granted to use Standard Mark as per IS 15741:2007 with the following scope:		
	Name of the product	TEXTILES — RESISTANCE TO IGNITION OF CURTAINS AND DRAPES	
	Nature and Composition of Curtain and Drape material	Polyester/Cotton blended/Any other material	
	Length (mm) & Width (mm) & Mass (g/m²)	mm Length &mm Width &g/m ² Mass	
	Hazard Occupancies	Low/ Moderate/ High	

ANNEXURE A

Grouping Guidelines for Textiles-Resistance to Ignition of Curtains and Drapes as per IS 15741:2007

The following grouping guidelines shall apply for Grant of Licence (GoL)/Change in Scope of Licence (CSoL):

- i. Material and composition of the Curtains/Drapes may be Polyester/Cotton blended/Any other material.
- ii. Hazard Occupancies may be Low/Moderate/High.
- iii. The manufacturer shall declare the sizes (length x width) of Curtains/Drapes being manufactured and intended to be covered in the scope of licence.
- iv. The Curtains/Drapes of the largest size (length x width) sample of each nature and composition of fabric (Polyester/Cotton blended/Any other material) and of each hazard occupancies (Low/Moderate/High) to be drawn and tested to cover all the sizes of particular nature and composition of fabric and of particular hazard occupancy of Curtains/Drapes in the scope of licence.
- v. The scope of licence shall be restricted based on the manufacturing and testing capabilities.
- vi. During the operation of licence, each size of Curtains/Drapes covered in the scope shall be tested in rotation, to the extent possible.

ANNEXURE B

LIST OF TESTING EQUIPMENT

Major test equipment essentially required to test as per requirements of Indian Standard.

S. No.	Test used in with Clause reference	Test equipment
1	Ignitability, Cl. 4.1	Mounting frame, Gas burner, Specimen holder, Suitable flat and rigid template, Gas, Timing device
2	Durability of fire retardant property, Cl. 4.2	Automatic washing machine equipped with a Horizontal rotating drum with reversing action, Soft water, Ballast, Low foaming detergent, Iron or Press
3	Toxicity index, Cl. 4.3	Toxicity chamber (An airtight enclosure of atleast 1m ³ volume lined with opaque plastic sheeting having a hinged or sliding door, fitted with a transparent plastic panel), Burner, Specimen support, Timing device, Analytical equipment, Gas sampling
4	Visibility due to smoke released on combustion, Cl. 4.4	Smoke chamber of Height-1000±5mm, Length-750±5mm, Width-750±5mm, Incandescent electric bulb 220V, 100W, Light meter, Plate of non-combustible, fire proof and non-heat conducting material, Stainless steel plate, Burner, Specimen frame, Device for adjusting the distance between the specimen frame and burner

Note: The above is an indicative list for the purpose of guidance only

ANNEXURE C

SCHEME OF INSPECTION AND TESTING

1. **LABORATORY** - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.
 - 1.1 The manufacturer shall prepare and implement calibration plan for the test equipment.
2. **TEST RECORDS** – The manufacturer shall maintain test records for the tests carried out to establish conformity.
3. **LABELLING & MARKING** – The Standard Mark as given in the Schedule of the license and Licence Number (i.e., CM/L.....) shall be incorporated on each roll and on the packaging, and the marking shall be done as per the provisions of the Indian Standard, provided always that the product thus marked conforms to all the requirement of the specification.
4. **CONTROL UNIT** – All curtains or drapes of identical type manufactured under similar conditions in a day shall constitute a Control unit.
5. **LEVELS OF CONTROL** - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.
 - 5.1 All the production which conforms to the Indian Standards and covered by the licence should be marked with Standard Mark.
6. **REJECTIONS** – Disposal of non-conforming product shall be done in such a way to ensure that there is no violation of provisions of BIS Act, 2016.

TABLE 1: LEVELS OF CONTROL
(Para 5 of Scheme of Inspection and Testing)

(1)				(2)	(3)		
Test Details					Levels of Control		
Clause	Requirement	Test Method		Test equipment requirement R: Required (or) S: Subcontracting permitted	No. of Samples	Frequency	Remarks
		Clause	Reference				
4.1	Ignitability	4.1 & 4.1.1	IS 15612 (Part 1) & IS 15589	R	One	Each Control Unit	
4.2	Durability of fire retardant property	4.2	Annex-C of Amendment 1 to IS 15741	R	One	Each Control Unit	
4.3	Toxicity index	4.3	Annex-D of Amendment 1 to IS 15741	S	One	Once every 6 months	To be carried out whenever there is change in raw material/Composition/Supplier
4.4	Visibility due to smoke released on combustion	4.4	IS 15782	S	One	Once every 6 months	To be carried out whenever there is change in raw material/Composition/Supplier

Note-1: Whether test equipment is required, or sub-contracting is permitted in column 2 shall be decided by the Bureau and shall be mandatory. Sub- contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empaneled by the Bureau.

Note-2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval to BO Head.