www.bis.gov.in

उत्पाद मैन्युअल
वस्त्रादी – पर्दों और ड्रेपों की अग्नि अवरोधकता – विशिष्टि
IS 15741 : 2007 के अनुसार

PRODUCT MANUAL FOR
TEXTILES — RESISTANCE TO IGNITION OF CURTAINS AND DRAPES — SPECIFICATION
According to IS 15741 : 2007

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो(अनुरूपता मूल्यांकन) विनियम, 2018 की योजना -I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

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

1.	मानक संख्या **IS No.**	:	**IS 15741: 2007**
	शीर्षक **Title**	:	TEXTILES — RESISTANCE TO IGNITION OF CURTAINS AND DRAPES — SPECIFICATION
	संशोधनों की संख्या **No. of amendments**	:	01
2.	नमूना दिशानिर्देश **Sampling Guidelines**		
a)	कच्चा माल **Raw material**	:	No Specific requirement. Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be establishedduring Grant of Licence/Change in Scope of Licence/Factory Surveillance.
b)	समूहीकरण दिशानिर्देश **Grouping Guidelines**	:	Please refer to Annex-A
c)	नमूने का परिमाण **Sample Quantity**	:	Min. 7 Sqm. Note: This section indicates the quantity of the sample of the product and/or the raw material (if applicable), required to be sent to the laboratory for testing, for the purpose of Grant of Licence/Change in Scope of Licence/ Factory Surveillance (incase of market surveillance, effort may be made to procure therequired quantity of product sample, as far as possible since raw material sample may not be available in market).
d)	परीक्षण अनुरोध में घोषित किए जाने वाले पैरामीटर **Parameters to be Declared in Test Request**		• Nature and Composition of Curtain and Drape material • Length (mm) & Width (mm) • Hazard Occupancies Note: Apart from the above, any other requirements / parameters may also be declared as per the standard, as applicable.
3.	परीक्षण उपकरणों की सूची **List of Test Equipment**	:	Please refer to Annex-B

4.	**निरीक्षण और परीक्षण की स्कीम** **Scheme of Inspection and Testing**	:	Please refer to Annex-C
5.	**एक दिन में संभावित परीक्षण** **Possible tests in a day:**		
	Following tests are possible to be carried out in a day, provided pre-conditioned samples are available: 1. Ignitability 2. Durability of fire retardant property Note: This section is for the guidance of BIS Certification Officers/Technical Auditors of BIS Authorized Outside Surveillance Agencies (OSAs) during factory inspection to provide readyreference regarding the tests which can be witnessed during the inspection in the factory by the officer/auditor.		
6.	**लाइसेंस का दायरा /Scope of the Licence:**		
	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)		Length- up to and including…..mm & Width- up to and including …..mm
	Hazard Occupancies		Low/ Moderate/ High

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN,9, BAHADUR SHAH ZAFAR MARG,NEW DELHI-110002

ANNEX- A

Grouping Guidelines

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

i) Nature 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) 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) Scope of licence shall be restricted based on the manufacturing and testing facilities available.
vi) During operation of licence, samples of each variety covered in the scope of licence, shall be tested in rotation, to the extent possible.

ANNEX- B

LIST OF TESTING EQUIPMENT

(INDICATIVE LIST, FOR GUIDANCE ONLY)

S. No.	Test used in with Clause reference	Test equipment/Chemical
1	Ignitability, Clause 4.1	Mounting frame, Gas burner, Specimen holder, Suitable flat and rigid template, Gas, Timing device
2	Durability of fire retardant property, Clause 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, Clause 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, Clause 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

ANNEX- C

SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence, manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing theStandard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the differenttests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or subcontracting/sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 **RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT**:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is: All curtains or drapes of particular composition and hazard occupancy manufactured under similar conditions in a day.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

2. ENSURING COMPLIANCE THROUGH TESTING- manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred:

i) Shared testing resources like common facility,

ii) Cluster based testing facility,

iii) Sub-contracting to outside laboratories which may either be:

a) BIS recognised/empanelled laboratories, or

b) Any accredited laboratory as per ISO/IEC 17025

2.1 **TEST RECORDS**- The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of licence. For the tests being subcontracted or conducted at a shared test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING - The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on each piece of curtain/drape or their fabric, provided always that the material so marked conforms to each requirement of the specification.

3.1 Packing and Marking shall be done as per the Indian Standard.

3.2 **Additional Marking requirements**: Additionally, the following shall also be marked on each piece of curtain/drape or their fabric:

a) "For BIS certification details please visit www.bis.gov.in"

4. REJECTION - The production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act,2016.

TABLE 1: LEVELS OF CONTROL
(Recommended Levels of Control by BIS- For Guidance Only)

(1)				(2)		
Test Details				**Levels of Control**		
Clause	**Requirement**	**Test Method**		**No. of Samples**	**Frequency**	**Remarks**
		Clause	**Reference**			
4.1	Ignitability	4.1	IS 15612 (Part 1)	One	Each Control Unit	
4.2	Durability of fire retardant property	4.2	IS 15741	One	Each Control Unit	
4.3	Toxicity index	4.3	-do-	One	Once every 6 months Or whenever there is change in raw material / Composition / Supplier, whichever is earlier	
4.4	Visibility due to smoke released on combustion	4.4	IS 15782	One	Once every 6 months Or whenever there is change in raw material / Composition / Supplier, whichever is earlier	