

केन्द्रीय मुहर विभाग-2

संदर्भ -: के. मु. वी-2/16:15827

12 01 2021

विषय: आई एस 15827 : 2019, Cladding Films for Greenhouse/Polyhouse के संशोधन संख्या 1 का कार्यान्वयन दिशा निर्देश

1. यह उपरोक्त विषय के संदर्भ में परिपत्र अवलोकन हेतु संलग्न है।

(अदाने ख्रासी)
वैज्ञानिक डी

प्रमुख .के) मु2 वी.)

सभी क्षेत्रीय/शाखा कार्यालयों फ ए डी /

CENTRAL MARKS DEPARTMENT-2

OurRef:CMD-2/16:15827

12 01 2021

Subject: Guidelines for implementation of amendment no. 1 to IS 15827 : 2019, Cladding Films for Greenhouse/Polyhouse.

1. Please find enclosed circular regarding above subject for kind consideration.

(Adane Khraasi)
Scientist D

HCMD-2

Circulated to all ROs/BOs/FAD

CENTRAL MARKS DEPARTMENT - 2

Our Ref: CMD-2/16:15827

12 01 2021

Subject: Guidelines for implementation of Amendment No. 1 to IS 15827 : 2019, Cladding Films for Greenhouse/Polyhouse.

1. Amendment No. 1 to IS 15827 : 2019 has been published. The amendment shall be implemented with effect from **10 May 2021**.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the above amendment **within a week of issuance of these guidelines**.
3. The significant changes in the standard through this amendment as listed in the Table are given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the amendment.

Clause no.	Changes
Table 1, (i), col. 3	Diffusion Property for clear film has been changed from Min 20 % to Max 30 %.
Table 1, (ii), col. 2	Percent diffusion of Type B film has been modified from 20 to 30.
Table 2, (vi)	Recommended values of Total visible light transmittance % has been modified for all types of film.
Table 2, (vii)	Different recommended values of Haze % (≤ 30 to > 70) for different types of film has been specified now instead of specifying same haze % (≤ 50) for all types of film.
Table 2, (ix)	Recommended values of Thermicity IR Effectiveness % has been modified for all types of film.
Table 2, (x)	Recommended values of creep test MD % has now been specified for all types of film.

4. Consequent upon issuance of the amendment, existing Product Manual has been revised as **PM/ 15827/ 2 Jan 2021**.
5. The guidelines for implementation of the amendment is given below:

A. LICENSEES:

- (i) All Licensees shall implement the amendment by **10 May 2021**. BOs shall ensure that no Licences are under operation as per IS 15827 : 2019 without the amendment after **10 May 2021**. **The status of implementation of the amendment shall be confirmed by Head (BO) to CMD-II within two weeks of the last date of concurrent running.**
- (ii) Licensees shall submit evidence of conformity to the additional/modified requirements through In-house/Independent Test Reports or Test Certificates, as applicable. Verification of implementation of the amendment, wherever required, may be done during the next visit **which may normally be completed within three/six months of the last date of concurrent running.**
- (iii) If the Licensee fails to complete all actions by **10 May 2021** it shall be dealt with as per the prevailing guidelines.

B. APPLICATIONS FOR GRANT OF LICENCE:

- (i) Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed without consideration of the amendment. However, if the Applicant is desirous of considering the amendment, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails while considering the provisions of the amendment, Licence will not be granted as per the old version.
- (ii) Applications which are recorded henceforth may be processed with or without consideration of the amendment. Processing of Applications without consideration of the amendment shall be permitted only upto **10 May 2021** and for such cases Applicant shall give a declaration that they will implement the amendment by **10 May 2021**.
- (iii) Beyond **09 May 2021** no Licence shall be granted without consideration of the amendment.

C. CHANGE IN SCOPE OF LICENCE:

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
 - (ii) However, processing of such applications for change in scope of licence without consideration of the amendment shall be permitted only upto the date of implementation of the amendment by the licensee or upto **10 May 2021** whichever is earlier.
6. The above guidelines come into force with immediate effect.

(Adane Khraasi)
Scientist D

Head (CMD II)
DDG (Certification)

AMENDMENT NO. 1 NOVEMBER 2020

TO

IS 15827 : 2019 CLADDING FILMS FOR GREENHOUSE/ POLYHOUSE — SPECIFICATIONS

(*First Revision*)

(*Page 3, Table 1*) — Substitute the following for existing table:

Table 1 Type of Cladding Films Based on Properties Required

(*Clause 4.1*)

Sl No.	Type of Film	Properties
(1)	(2)	(3)
i)	A - Clear Film	Diffusion – <i>Max</i> 30 percent
ii)	B - 30 percent Diffused Film	Diffusion – <i>Min</i> 30 percent and <i>Max</i> 50 percent
iii)	C - 50 percent Diffused Film	Diffusion – <i>Min</i> 50 percent and <i>Max</i> 70 percent
iv)	D - 50 percent Diffused Film	Diffusion – <i>Min</i> 50 percent and <i>Max</i> 70 percent, Anti-Sulphur, UV Blocking
v)	E - 70 percent Diffused Film	Diffusion – <i>Min</i> 70 percent
vi)	F - 70 percent Diffused Film	Diffusion – <i>Min</i> 70 percent, Anti-Sulphur, UV Blocking

NOTE — All the films shall be UV stabilized and with anti dust, anti drip/anti-fog/anti-mist and ir thermic, properties.

Price Group 1

(Page 4, Table 2) — Substitute the following for existing table:

Table 2 Recommended Technical Data Sheet for Type of Cladding Films as Given in Table 1

(Clauses 6.3 and 7.5.5)

SI No.	Characteristics	Recommended Values						
		(3)	(4)	(5)	(6)	(7)	(8)	(9)
(1)	(2)	A	B	C	D	E	F	
i)	Tensile strength at Break (MD) MPa (<i>Min</i>)	20	20	20	20	20	20	IS 13360 (Part 5/Sec 3)
ii)	Tensile strength at Break (TD) MPa (<i>Min</i>)	20	20	20	20	20	20	IS 13360 (Part 5/Sec 3)
iii)	Elongation at Break (MD) (<i>Min</i>)	700	700	700	700	700	700	IS 13360 (Part 5/Sec 3)
iv)	Elongation at Break (TD) (<i>Min</i>)	700	700	700	700	700	700	IS 13360 (Part 5/Sec 3)
v)	Dart drop test on flat sheet, Method B gm (<i>Min</i>)	450	450	450	450	450	450	IS 13360 (Part 5/Sec 6)
vi)	Total visible light transmittance percent (<i>Min</i>)	85	85	85	85	85	85	IS 13360 (Part 9/Sec 5)
vii)	Haze, percent	≤30	30-50	50-70	50-70	>70	>70	IS 13360 (Part 9/Sec 5)
viii)	Tear strength, N/mmm (<i>Min</i>)							
	MD	8	8	8	8	8	8	IS 13360 (Part 5/Sec 10)
	TD	12	12	12	12	12	12	IS 13360 (Part 5/Sec 10)
ix)	Thermicity IR Effectiveness percent (<i>Min</i>),	50	55	60	65	65	70	See 7.4
x)	Creep test MD, percent (<i>Max</i>)	30	30	30	30	30	30	See 7.3

(Page 4, clause 7.2.4) — Insert the following at the end:

NOTE — Tolerance on the width of film may be allowed as per the mutual agreement between the purchaser and the manufacturer.