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JIS K 6783 : 1994

Ethylene/vinyl acetate copolymer
films for agriculture

ICS 83.140.10

Descriptors : polyethylene, polyvinyl acetate, copolymers, plastics, films (states of matter), agricultural materials

Reference number : JIS K 6783 : 1994 (E)

K 6783 : 1994

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1984-03-01

Date of Revision: 1994-07-01

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Ethylene / vinyl acetate copolymer films for agriculture

1. Scope

This Japanese Industrial Standard specifies ethylene/vinyl acetate copolymer (¹) films, (hereinafter referred to as the "films") mainly used for agriculture.

Note (¹) Above-mentioned ethylene/vinyl acetate copolymer means Class 2 Type 1 and Class 2 Type 2 specified in 2. of JIS K 6731, and specially that of which vinyl acetate content is 15 ± 1.5 mass %.

Remarks 1. The standards cited in this Standard are as follows :

JIS B 7503-Dial Gauges

JIS B 7753-Light-and-Water-Exposure Apparatus (Open-Flame
Sunshine Carbon-Arc Type)

JIS K 6731-Ethylene/vinyl acetate Copolymer Materials

2. The units and numerical values given in { } in this Standard are based on the traditional units, and are appended for reference.

2. Classification

The classification of films shall be as given in Table 1.

Table 1

Class	Thickness mm
Class 1	0.1
Class 2	0.075
Class 3	0.05

3. Quality

The films shall be tested in accordance with 6., and shall comply with the specifications of Table 2.

Table 2

Test item	Quality			Applicable clause
	Class 1	Class 2	Class 3	
Appearance	Non-harmful place for use shall be 10 or less.			6.3
Tensile breaking strength N {kgf}	20.6 {2.1} min.	14.7 {1.5} min.	10.8 {1.1} min.	6.5
Elongation %	450 min.	400 min.	270 min.	6.5
Tear strength N {kgf}	5.9 {0.60} min.	3.9 {0.40} min.	2.6 {0.27} min.	6.6
Cold resistance (cold elongation) %	360 min.	320 min.	220 min.	6.7
Weather resistance (residual elongation rate) %	50 min.			6.8

4. Dimensions

4.1 Width and Length Generally, the width, length and their tolerances of the films shall comply with the specifications of Table 3.

Table 3

Width cm	Tolerance on width	Length m	Tolerance on length
185	Minus shall not be recognized.	100	Minus shall not be recognized.
200			
230			
270			
300			
370			
460			
540			
600			

4.2 Thickness The thickness, difference of thickness and difference of average thickness of the films shall be tested in accordance with 6.4, and shall comply with Table 4.

Table 4

Class		Class 1	Class 2	Class 3
Thickness mm		0.1	0.075	0.05
Range of tolerance on difference of thickness %	Width: 270 cm and under	± 18	± 25	± 30
	Width: over 270 cm	± 25	± 30	± 35
Range of tolerance on difference of average thickness %	Width: 270 cm and under	± 10		
	Width: over 270 cm	± 15		