

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl. <sup>7</sup>  
B32B 27/32  
D21H 13/14

(45)  
(11)  
(24)

2001 12 28  
10 - 0304330  
2001 07 20

(21)  
(22)

10 - 1995 - 0004126  
1995 02 28

(65)  
(43)

1995 - 0032894  
1995 12 22

(30)

94 - 137817

1994 05 30

(JP)

(73)

가 가

가 4 - 3

(72)

가 가 23

가 가 23

가 가 23

가 가 23

(74)

:

(54)

(DSC ) 130 210 가 0.01 10μm 5 4  
0 % (DSC ) (A) 5 , 가 0.3 1.5μm  
가 0.01 5μm 8 65 % 120 160  
(B)

(B)

1

[ ]

[ ]

1 가 .  
 2 가 .  
 3 .  
 4 4,318,950 .  
 1 3 A , B , 1 2 1' , 1" .

[ ]

가 가 .  
 , , .

5 40 %  
 8 65 %  
 가 [ : 4,318,950 , JP - B 46 -  
 40794 , JP - B 60 - 36173 JP - B 62 - 35412 ( " JP - B" )  
 ) .

(blanket barrel) ( 3 ) ,  
 (blanket barrel) , CAD

가 가 가  
 ) ( ,  
 , 가 가 .

(a) ( 4,663,216 ) (3 % )  
 (b) [ (a) / (b) 4 ] (JP - B 3 - 44909 )가 .

가 ,  
 가 .

(1a) 가 , 8 65 %  
 (1b) 가 ( , 100m<sup>2</sup>/g  
 2 % ) 가 0. 2μm (1c) -  
 (1c) (t)가, (1b) 가가 (R) ,  
 (1) 가 4,705,719 .

R t 1/10 × R (1)

, , ,  
 , .

가 , 가  
 가 .

, 가 0.01 10μm 5 40 % (DSC  
 ) 130 210 (A) 가  
 0.01 5μm 8 65 % (surface roughness)가 0.3 1.5μm  
 (DSC ) (A) 5 120 160  
 (B)  
 , (B)  
 가 .

, (B) , (B)  
 가 가 .

[ ]

(A) (DSC ) 130 210

가 0.01 10 $\mu$ m 0.05 8 $\mu$ m 5 40 %, (2)

$$(\%) = (I_0 - I) / I_0 \times 100 \quad (2)$$

0

,

.

,

,

,

,

,

,

- (4 -

- 1)

(JIS K7210)가 0.5

10g/10min

(4 -

- 1),

(DSC

) 160

1

74

가 30

70%

가

.

20

200 $\mu\text{m}$ ,

30

150 $\mu\text{m}$

.

[ ]

5, 15, 55, 120, 160, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350, 1400, 1450, 1500, 1550, 1600, 1650, 1700, 1750, 1800, 1850, 1900, 1950, 2000, 2050, 2100, 2150, 2200, 2250, 2300, 2350, 2400, 2450, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3350, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 3850, 3900, 3950, 4000, 4050, 4100, 4150, 4200, 4250, 4300, 4350, 4400, 4450, 4500, 4550, 4600, 4650, 4700, 4750, 4800, 4850, 4900, 4950, 5000, 5050, 5100, 5150, 5200, 5250, 5300, 5350, 5400, 5450, 5500, 5550, 5600, 5650, 5700, 5750, 5800, 5850, 5900, 5950, 6000, 6050, 6100, 6150, 6200, 6250, 6300, 6350, 6400, 6450, 6500, 6550, 6600, 6650, 6700, 6750, 6800, 6850, 6900, 6950, 7000, 7050, 7100, 7150, 7200, 7250, 7300, 7350, 7400, 7450, 7500, 7550, 7600, 7650, 7700, 7750, 7800, 7850, 7900, 7950, 8000, 8050, 8100, 8150, 8200, 8250, 8300, 8350, 8400, 8450, 8500, 8550, 8600, 8650, 8700, 8750, 8800, 8850, 8900, 8950, 9000, 9050, 9100, 9150, 9200, 9250, 9300, 9350, 9400, 9450, 9500, 9550, 9600, 9650, 9700, 9750, 9800, 9850, 9900, 9950, 10000, 10050, 10100, 10150, 10200, 10250, 10300, 10350, 10400, 10450, 10500, 10550, 10600, 10650, 10700, 10750, 10800, 10850, 10900, 10950, 11000, 11050, 11100, 11150, 11200, 11250, 11300, 11350, 11400, 11450, 11500, 11550, 11600, 11650, 11700, 11750, 11800, 11850, 11900, 11950, 12000, 12050, 12100, 12150, 12200, 12250, 12300, 12350, 12400, 12450, 12500, 12550, 12600, 12650, 12700, 12750, 12800, 12850, 12900, 12950, 13000, 13050, 13100, 13150, 13200, 13250, 13300, 13350, 13400, 13450, 13500, 13550, 13600, 13650, 13700, 13750, 13800, 13850, 13900, 13950, 14000, 14050, 14100, 14150, 14200, 14250, 14300, 14350, 14400, 14450, 14500, 14550, 14600, 14650, 14700, 14750, 14800, 14850, 14900, 14950, 15000, 15050, 15100, 15150, 15200, 15250, 15300, 15350, 15400, 15450, 15500, 15550, 15600, 15650, 15700, 15750, 15800, 15850, 15900, 15950, 16000, 16050, 16100, 16150, 16200, 16250, 16300, 16350, 16400, 16450, 16500, 16550, 16600, 16650, 16700, 16750, 16800, 16850, 16900, 16950, 17000, 17050, 17100, 17150, 17200, 17250, 17300, 17350, 17400, 17450, 17500, 17550, 17600, 17650, 17700, 17750, 17800, 17850, 17900, 17950, 18000, 18050, 18100, 18150, 18200, 18250, 18300, 18350, 18400, 18450, 18500, 18550, 18600, 18650, 18700, 18750, 18800, 18850, 18900, 18950, 19000, 19050, 19100, 19150, 19200, 19250, 19300, 19350, 19400, 19450, 19500, 19550, 19600, 19650, 19700, 19750, 19800, 19850, 19900, 19950, 20000, 20050, 20100, 20150, 20200, 20250, 20300, 20350, 20400, 20450, 20500, 20550, 20600, 20650, 20700, 20750, 20800, 20850, 20900, 20950, 21000, 21050, 21100, 21150, 21200, 21250, 21300, 21350, 21400, 21450, 21500, 21550, 21600, 21650, 21700, 21750, 21800, 21850, 21900, 21950, 22000, 22050, 22100, 22150, 22200, 22250, 22300, 22350, 22400, 22450, 22500, 22550, 22600, 22650, 22700, 22750, 22800, 22850, 22900, 22950, 23000, 23050, 23100, 23150, 23200, 23250, 23300, 23350, 23400, 23450, 23500, 23550, 23600, 23650, 23700, 23750, 23800, 23850, 23900, 23950, 24000, 24050, 24100, 24150, 24200, 24250, 24300, 24350, 24400, 24450, 24500, 24550, 24600, 24650, 24700, 24750, 24800, 24850, 24900, 24950, 25000, 25050, 25100, 25150, 25200, 25250, 25300, 25350, 25400, 25450, 25500, 25550, 25600, 25650, 25700, 25750, 25800, 25850, 25900, 25950, 26000, 26050, 26100, 26150, 26200, 26250, 26300, 26350, 26400, 26450, 26500, 26550, 26600, 26650, 26700, 26750, 26800, 26850, 26900, 26950, 27000, 27050, 27100, 27150, 27200, 27250, 27300, 27350, 27400, 27450, 27500, 27550, 27600, 27650, 27700, 27750, 27800, 27850, 27900, 27950, 28000, 28050, 28100, 28150, 28200, 28250, 28300, 28350, 28400, 28450, 28500, 28550, 28600, 28650, 28700, 28750, 28800, 28850, 28900, 28950, 29000, 29050, 29100, 29150, 29200, 29250, 29300, 29350, 29400, 29450, 29500, 29550, 29600, 29650, 29700, 29750, 29800, 29850, 29900, 29950, 30000, 30050, 30100, 30150, 30200, 30250, 30300, 30350, 30400, 30450, 30500, 30550, 30600, 30650, 30700, 30750, 3

가  $0.3\mu\text{m}$  (set-off) , 가 가 , , , 가  $1.5\mu\text{m}$  , , ( ) . ( ) (ghost)가 .

(B) [ (Bekk index) ] (JIS P8119) 500sec , ( JIS P8142 ; :60 ° ) 20% .

가 0.01  $10\mu\text{m}$ , , , , -1, -1, -1, 4 - -1 3 - -1 1 - .

2 60 $\mu$ m가 , 2 5 $\mu$ m가 .

(B) (A) 8 55 %

(B) (B) (A) - (4 - - 1)

(B) (B) (A)

(A) 30 % 가

[ ]

(A)

4 7

(B)

5 35  
(tenter)

4 12

35 300 $\mu$ m

(B)

가

(primer) 3 4

(B)

[ ]

[ 1]

(1) (MI)가 0.8g/10min ( : 164 : : 174 ) 8  
0 % 8 % 가 1.5 $\mu$ m 12 %  
(A) 270 140 가 ,  
5

(2) MI가 10.0g/10min ( : 140 : : 150 :  
: 2.0 %) 53 %, 0.5 % 2 %  
가 1.5 $\mu$ m 44.5 % (B) 270  
, MI가 4.0g/10min ( 164 : : 178 ) 50 %

가  $1.5\mu\text{m}$  50 % (C) 270 (B)  
 (C) (B) (C)  
 (1) 5 (A)  
 (B)

(A) (B) (C) , 5 (B)

5 가 5/25/70/25/5 $\mu\text{m}$  (B)/(C)/(A)/(C)/(B) 5

[ 2]

1 ( : 129 : : 136 ) 53  
 %, - 2 % 가  $1.5\mu\text{m}$  45 %  
 (B) 5

[ 3]

1 ( : 140 ; : 1  
 51 ; : 2.0 %) 35 % ( : 164 : : 174 )  
 18 % 2 % 가  $1.5\mu\text{m}$  45 %  
 (B) 5

[ 4]

1 가  $1.2\mu\text{m}$  가  $0.8\mu\text{m}$   
 (B) 5

[ 5]

1 , MI가 4g/10min ( : 147 ;  
 : 1.5 %) 53 %, 0.5 % 2 %  
 가  $1.5\mu\text{m}$  44.5 % (B)  
 5

[ 1]

1 , MI가 4.0g/10min ( : 164 :  
 : 174 ) (B) - 5

[ 2]

1 가  $1.5\mu\text{m}$  가  $6\mu\text{m}$   
 (B) 5

[ 3]

1 , - ( : 164 ) 26.5 % ,  
2 % 가 1.5 $\mu$ m 45 %  
(B) 5 .

[ 가]

(1)

(2000 ) ,  
( 1 2 ) . " " 가 ,  
( 3 4 ), " " 가 . 1 3 , A  
, B , 1 2 , 1 , 1"

(2) : JIS P8119 가

(3) : JIS B0602 가

(4) :JIS P8142( : 60 ° ) 가

(5) 가

612CD [ : , (Hamada Printing Press Co., Ltd.)  
] Best SP[ , : , ( T & K TOKA Co., Ltd.),  
( )] , .

(5 - 1)

1000 , .

가 :

5 : .

4 : .

3 : .

2 : .

1 : .

(5 - 2) :

1000 612CD ( : , ) Best SP(  
, : , , )  
, , 가 .

가 :

5 :

4 :

3 :

2 :

1 :

(5-3) :

[ (Cello - Tape), : , (Nichiban Company, Ltd.) ]

가 :

5 :

4 : . 5/100

3 : . (5/100 15/100 ).

2 : . 20/100 .

1 : , .

(6)

200g [HB( , ). #9800. : ,  
(Mitsubishi Pencil Co., Ltd.) , 가 .

가 :

가 :

가 : 가 .

1 .

샘플	(A)	(B) (sec)	(C) ( $\mu$ m)	(D) (%)	(E)	(F)	(G)	(H)
1	Ctd.	320	0.90	14	5	4	5	Pos.
2	"	285	1.10	10	5	4	5	"
3	"	370	1.00	13	4	4	4	"
4	"	390	0.86	19	5	4	5	"
5	"	305	0.95	13	5	4	5	"
C-1	field	420	0.68	17	1	3	2	"
C-2	"	155	1.65	10	3	4	4	"
C-3	"	330	1.05	13	2	3	4	"



(A) :

Ctd : ; Unctd :

(B) (JIS P8119). Sec.:

(C) (JIS B0602)

(D) (JIS P8142; 60 ° )

(E)

(F)

(G)

(H) ; Pos.: 가 ,

1 5 :

C - 1 C - 3 :

가 ,

가

(57)

1.

가 0.01 10 $\mu$ m 5 40 % (DSC ) 130  
 210 (A) , 가 0.01 5 $\mu$ m  
 8 65 % (DSC ) (A)  
 5 120 160 (surface ro  
 ughness)가 0.3 1.5 $\mu$ m (B)

2.

1 , (A) 가, 160 174 가 0.5 10g/10min  
 가 35 70% .

20 200 $\mu$ m, 30 150 $\mu$ m .

3.

1 , (B) 가 - .

4.

1 , (B) 가 2 60 $\mu$ m , 가 20 200 $\mu$ m .

5.

1 , (A) , 5 55% .

6.

1 , (A) 10 35 %  
가 0.05 8 $\mu$ m .

7.

1 , (B) 15 55 % ,  
가 0.05 3 $\mu$ m .

8.

1 , 8 55 % (C) 가 ,  
(C)가 (A) (B) .

9.

1 , (A)가 , , - .

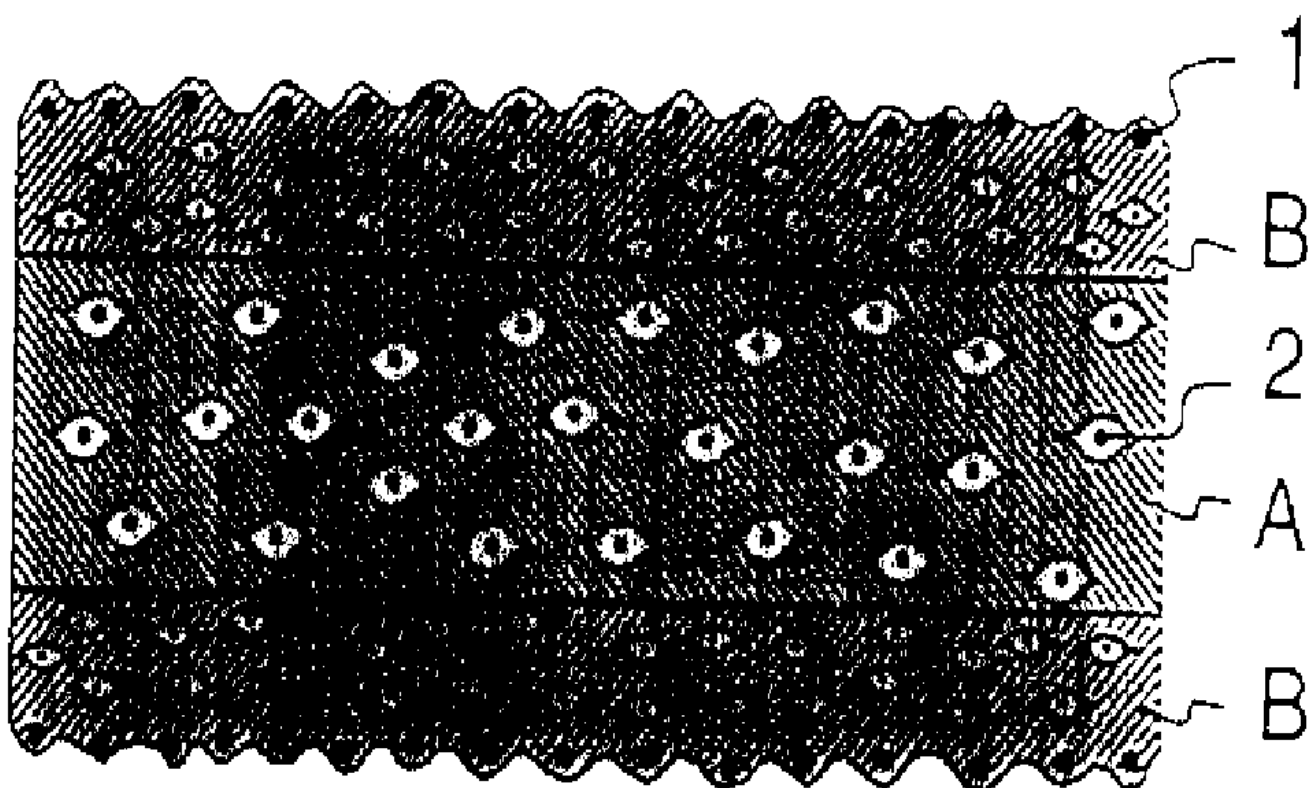
10.

1 , (B) 20% .

11.

1 , (B) 가 500sec .

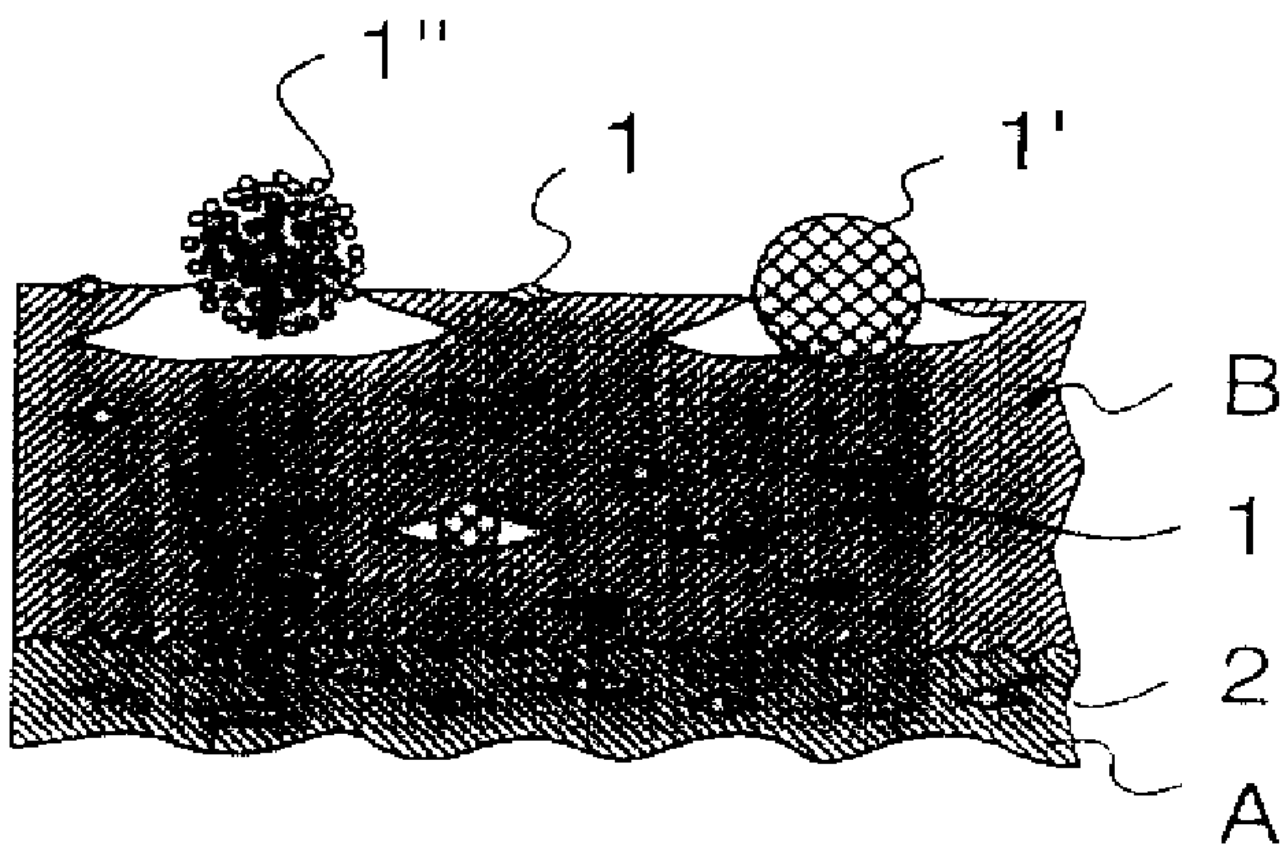
1



2



3



4

