

(19) (KR)  
(12) (A)

(51) Int. Cl.<sup>7</sup>  
C09J 7/02

(11)  
(43)

10-2004-0101405  
2004 12 02

(21)	10-2004-7015932		
(22)	2004 10 07		
	2004 10 07		
(86)	PCT/US2003/004190	(87)	WO 2003/087251
(86)	2003 02 12	(87)	2003 10 23

(30)	10/118,347	2002 04 08	(US)
------	------------	------------	------

(71)	55133-3427	33427
------	------------	-------

(72)	55133-3427	33427
------	------------	-------

	55133-3427	33427
--	------------	-------

(74)

(54) - 가

2

1

2

2

가

(

)

가

가

6,030,702 (Kansai Paint Co., Ltd.)

(Nitto Denki Corporation, )

가

가

가

가

가

가

(tip surface)

1

2

2

2

1

2

1

2

가

2

1

2

가

가

1 - 가

2 1 - 가

3a 3h - 가

4,135,023 (Lloyd ); 3,386,846 (Lones) 2,861,006 (Salditt)

(6) - (8)

8540 ( (Dow Plastics, Ltd.) (At (14)  
 (LOTRYL) 28MA07  
 ofina Chemicals, Inc.) )  
 ) 30BA02 ( 가 )  
 ) (ENGAGE) 8100, 8180, 8200, 8480  
 ) 7C06, 7C50 7C55H  
 ) (Dupont-Dow Elastomers) 가 );  
 ) (At (14)

가 2

Figure 2 consists of three stacked bar charts, each representing a different group: '90', '98', and '%'. The y-axis for all three charts ranges from 0 to 100% in increments of 20%. Each chart is composed of three segments: a bottom segment labeled 'n-1' with a value of 2%, a middle segment labeled 'n-2' with a value of 10%, and a top segment labeled 'n-' with a value of 88% for '90', 88% for '98', and 80% for '%'. The labels 'n-1', 'n-2', and 'n-' are placed to the left of their respective segments, and the percentage values are placed inside the segments.

Group	n-1 (%)	n-2 (%)	n- (%)
90	2	10	88
98	2	10	88
%	2	10	80

, 90 % 98 % , 2 % 6 %

20 (Tg), 27 0.1g/dL 가 50 - (Nu  
mber 50 Cannon-Fenske Viscometer) , 0.4dL/g 9.0g/dL , 0.5d  
L/g 6.0dL/g , 1.5dL/g 4.0dL/g  
가 (1- )

가 가 가 가 가  
5,000 50,000,000

;	;	-	$C_3, C_3$	가	$C_3$	가	$C_5 - C_{12}$
;	$C_3$	가	$C_3$	가	$C_6 - C_8$	$C_6 - C_{10}$	
			5,644,007	(Davidson )		(1- )	(1- )
		, 가		,		5,112,882 (Babu )	
			5,407,970	(Babu )			

$$(1 - \frac{5}{50}) \cdot 100 = 90\% \quad ; \quad (1 - \frac{35}{35}) \cdot 100 = 0\% \quad ; \quad (1 - \frac{150}{350}) \cdot 100 = 60\%$$

가

가

가 , 가

(6) 가

(14)

(14)

가

1

가

가

가

( ),

, 가  
가

		amp;
1 2	7C06 7C55H	가 가 - , 가 ( )
1 2	8100 8540	가 , L.L.C. - 가
3	28MA07	가 , 가
1 2	1139 1126	, , 가
1	PP3505	, 가
1	-	5,644,007 (Davidson ) 4 3.5dL/g
2	1139 PP3505	5,644,007 4 - 3.4dL/g - 18%w/
3	1126 -	5,644,007 4 - 2.8dL/g w 2 1 - 12% w/
4	- 1 - -	5,644,007 3 - 3.6dL/g

1

가 350 475 (177-246) (Davis Standard Corporation, 1, 1.25 (3.2cm) (Brabender) OHG) 1, 2.5 (6.3cm) 24/1 가 ) 1, 450 (232) 2.0 (5.1cm) (The Bonnot Company) 100psi (689kPa) 475 (246) 가 (

2

2, 2, - 가 .5% 2, 24.5% 1 1 27% 2 . 가 . 48  
 . 2 10 / (3 / ) 2, 0.004 ± 0.001 (0.10 ± 0.03mm)  
 , 0.012 ± 0.002 (0.30 ± 0.05mm) , 0.059 ± 0.002 (1.50 ± 0.05mm)  
 , 0.028 ± 0.002 (0.71 ± 0.05mm) , 16.5 × 10<sup>-4</sup> (1.  
 06 mm) , 452 g/m<sup>2</sup> 가 . 2 334 Ra 가 .

3

2, 3, 3, 1  
- 가 . 60% 2, 11% 3 29% 3  
. 30 / (9 / ) 3, 0.001 ± 0.001 (0.03 ± 0.03mm)  
± 0.001 (0.15 ± 0.03mm) , 0.020 ± 0.002 (0.51 ± 0.05mm) , 0.020 ± 0.002 (0.  
51 ± 0.05mm) , 4.0 × 10<sup>-4</sup> (0.26 mm) , 16  
2 g/m<sup>2</sup> 가 . 3 112 Ra 가 .

4

2 가 83.5% , 3 16.5% 3 . 3  
 0 / (9 / ) 4 , 0.002  $\pm$  0.001 (0.05  $\pm$  0.03mm) , 0.006  $\pm$  0.001 (0.15  $\pm$  0.03mm)  
 0.024  $\pm$  0.002 (0.61  $\pm$  0.05mm) , 0.018  $\pm$  0.002 (0.46  $\pm$  0.05mm)  
 ,  $4.3 \times 10^{-4}$  (0.28 mm) , 164 g/m<sup>2</sup>  
 가 4 157 Ra 가 .

5

4 87.5% 2 12.5% 4 .30 / (9 / )  
 5 , 0.002 ± 0.001 (0.05 ± 0.03mm) , 0.024 ± 0.002 (0.61 ± 0.05mm)

0.003 ± 0.001 (0.08 ± 0.03mm) 0.94 × 10<sup>-4</sup> (0.06 mm), 0.028 ± 0.002 mm (0.71 ± 0.05mm) 가 . 5 40 Ra 가

6

62% 2, 17% 1 21% 2 2 6%, 0.003 ± 0.001 (0.08 ± 0.03mm) 0.001 (0.08 ± 0.03mm) 0.032 ± 0.001 (0.15 ± 0.05mm) 0.81 ± 0.03mm) 0.033 ± 0.002 (0.30 ± 0.05mm) 10.6 × 10<sup>-4</sup> (0.68 mm) 가 . 6 125 Ra 가 .

7

2 1 2 6%, 0.005 ± 0.002 (0.13 ± 0.05mm) 7, 0.008 ± 0.001 (0.20 ± 0.03mm) 0.016 ± 0.001 (0.41 ± 0.03mm) 0.015 ± 0.002 (0.38 ± 0.05mm) 2.3 × 10<sup>-4</sup> (0.15 mm) 가 . 7 100 Ra 가 .

1

가 (RAPGARD) F3E ( ) , 가 가 (transit)

가

180  
가 ( ) , ACT HWB 7517  
(ACT Laboratories, Inc.)  
CNCT7PS ( PPG ODCT1002B ( PPG )  
ODCT6373 )  
180

, 0.5  
50mm  
가 ( ) , 80 ( ), 6  
1

(Instrumentors, Inc.) 3M90 / 가 180  
1 7 1 1 (2.54cm) 1-lb (0.45kg) ( HWB 7517  
CT7PS 24 / , 12 / (30.5cm/ ) ).  
1

[ 1 ]

		*	/ ( /cm)
1			5.5 (61)
2			25.6 (286)

3			16.9 (189)
4			10.6 (118)
5			9.2 (103)
6			2.7 (30)
7			2.9 (32)
1			20.3 (227)
*	<	<	<

1 ,  
가 ( , 가 )  
,  
가

(57)

1.

1 2 ,

2 , , ,  
-

;

,

가

2.

1 , 0.03 5.0

.

3.

1 , 0.05 0.5

.

4.

1 , 2 가 0.03 2.5

.

5.

1 , 2 가 0.1 1.3

.

6.

1 , , 가 0.05 5.0

.

7.

6 , 가 0.3 1

.

8.

1 , 0.003 12.7

.

9.

1 , 0.03 0.13

.

**10.**

1 , 가 .

**11.**

1 , .

**12.**

1 , .

**13.**

1 , 1 , 2 , 1 2

**14.**

13 , , 가 가

**15.**

1 , 80

**16.**

1 , ,

**17.**

1 , ,

**18.**

1 , 2

**19.**

1 , ,

**20.**

1 , , ,

1 2 , ,

2

2

;

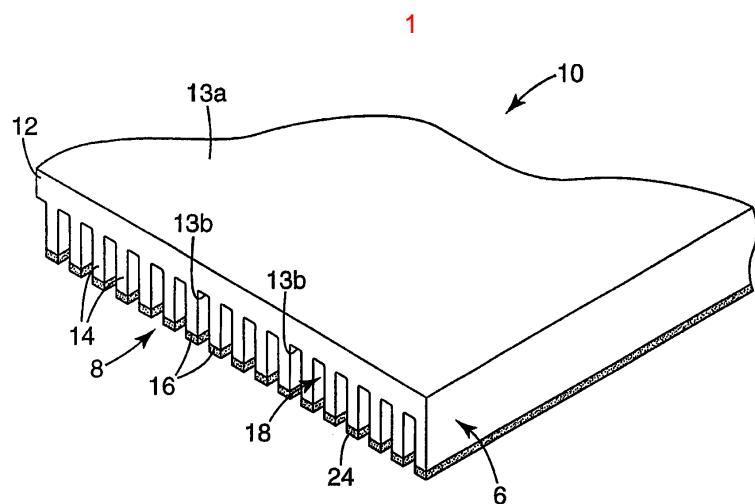
**21.**

20 , , ,

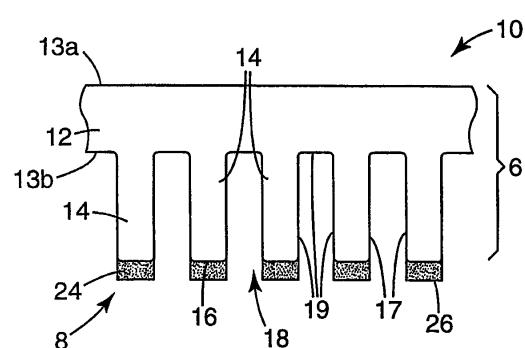
,

**22.**

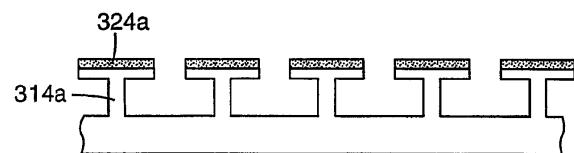
가



2



3a



3b

