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# Recycle

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가

가 ,

가

가

가 87~90

4~6%

91 2221 6400 , 6 6272 90 2% 가

92 91

91 90 1% , 1 6851

, 87 7%, 88 10%, 89 9%, 90 8% , 87

8%, 88 12%, 89 10%, 90 14%

< 1>

(199 )

( :1000 , %)

| L D P E |   | 564.9   | 49.7  |       | 253.2 | —     | 25.9  | 893.7   |
|---------|---|---------|-------|-------|-------|-------|-------|---------|
| H D P E |   | 254.1   | 161.5 | —     | —     | 46.5  | —     | 566.3   |
| P       | P | 337.4   | 35.4  | 104.2 | 42.6  | 143.0 | —     | 623.4   |
| P V C   |   | 126.2   | —     | 65.0  | —     | —     | —     | 126.2   |
|         |   | 121.3   | 30.2  | —     | —     | —     | —     | 151.5   |
| P       | S | 194.6   | —     | —     | —     | —     | 374.8 | 723.8   |
| P E T   |   | 33.2    | 125.8 | 154.4 | —     | —     | —     | 159.0   |
| P       | C | 1.4     | —     | —     | —     | —     | —     | 1.4     |
|         |   | 1,633.1 | 402.6 | —     | 295.8 | 189.5 | 400.7 | 3,245.3 |
|         |   | 50.3    | 12.4  | 323.6 | 9.1   | 5.8   | 12.4  |         |

) PET Polyethylene Terephthalate(A-PET, C-PET)

60%

가

58.8% 324 5000

91 LDPE 89 3700 ( 27.5%), PS 72 3800 (22.3%), PP 62 3400 (19.2%), HDPE 56 6300 (17.4%)

163 3100 ( 50.3%), 40 2600 (12.4%), 40

700 (12.4%), 32 3600 (10.0%), 29 5800 (9.1%), 18 9500 (5.8%) . PP가 33 7400 11%, PET(Poly-ethylene Terephthalate)가 2 9100 6% 가 , PVC 12 6200 7%, PS 19 4600 4% .

< 2>

( :1000 , %, )

|  |           | 1987    |    | 1988    |     | 1989    |    | 1990    |     | 1991    |     |
|--|-----------|---------|----|---------|-----|---------|----|---------|-----|---------|-----|
|  |           |         |    |         |     |         |    |         |     |         |     |
|  | L D P E   | 425.7   | 6  | 454.2   | 7   | 487.7   | 7  | 564.9   | 16  | 564.9   | 0   |
|  | H D P E   | 242.6   | 0  | 239.1   | 1   | 247.2   | 3  | 254.2   | 3   | 254.1   | 0   |
|  | P P       | 255.0   | 6  | 279.1   | 9   | 292.9   | 5  | 304.9   | 4   | 337.4   | 11  |
|  | P V C     | 109.0   | 5  | 122.8   | 13  | 129.6   | 5  | 135.6   | 5   | 126.2   | 7   |
|  | P V C     | 102.3   | 4  | 115.6   | 13  | 119.4   | 3  | 121.0   | 1   | 121.3   | 0   |
|  | P S       | 170.0   | 13 | 189.0   | 11  | 184.7   | 2  | 202.3   | 10  | 194.6   | 4   |
|  | A - P E T | —       | —  | —       | —   | 0.7     | —  | 1.8     | 157 | 3.8     | 111 |
|  | C - P E T | —       | —  | —       | —   | 0.3     | —  | 0.4     | 33  | 0.3     | 25  |
|  | P E T     | 21.0    | 8  | 23.5    | 12  | 25.2    | 7  | 27.5    | 9   | 29.1    | 6   |
|  | P C       | 1.6     | 0  | 1.7     | 6   | 1.3     | 24 | 1.4     | 8   | 1.4     | 0   |
|  |           | 1,327.2 | 5  | 1,425.0 | 7   | 1,489.0 | 4  | 1,614.0 | 8   | 1,633.1 | 1   |
|  | P V C     | 29.6    | 8  | 31.8    | 7   | 32.6    | 3  | 32.1    | 2   | 30.2    | 6   |
|  | P E       | 169.9   | 3  | 179.1   | 5   | 194.9   | 9  | 208.6   | 7   | 211.2   | 1   |
|  | P P       | 24.2    | 9  | 27.2    | 12  | 30.5    | 12 | 33.6    | 10  | 35.4    | 5   |
|  | P E T     | 77.8    | 43 | 84.2    | 8   | 100.8   | 20 | 116.7   | 16  | 125.8   | 8   |
|  |           | 301.5   | 12 | 322.3   | 7   | 358.8   | 11 | 391.0   | 9   | 402.6   | 3   |
|  | H D P E   | 86.3    | 9  | 108.9   | 26  | 121.1   | 11 | 116.5   | 4   | 104.2   | 11  |
|  | P P       | 60.0    | 11 | 62.0    | 3   | 71.3    | 15 | 90.1    | 26  | 65.0    | 28  |
|  | P S       | 65.7    | 2  | 137.5   | 109 | 171.9   | 25 | 172.8   | 1   | 154.4   | 11  |
|  |           | 212.0   | 6  | 308.4   | 45  | 364.3   | 18 | 379.4   | 4   | 323.6   | 15  |
|  | L D P E   | 205.9   | 8  | 223.1   | 8   | 240.8   | 9  | 255.2   | 6   | 253.2   | 1   |
|  | P P       | 33.6    | 11 | 36.9    | 10  | 39.3    | 7  | 41.6    | 6   | 42.6    | 2   |
|  |           | 239.5   | 8  | 260.0   | 9   | 280.1   | 8  | 296.8   | 6   | 295.8   | 0   |
|  | H D P E   | 36.1    | 12 | 40.8    | 13  | 47.1    | 15 | 48.2    | 2   | 46.5    | 4   |
|  | P P       | 125.6   | 30 | 111.2   | 11  | 140.4   | 26 | 149.1   | 6   | 143.0   | 4   |
|  |           | 161.7   | 25 | 152.0   | 6   | 187.5   | 23 | 197.3   | 5   | 189.5   | 4   |
|  | P S       | 137.4   | 1  | 155.6   | 13  | 172.2   | 11 | 202.8   | 18  | 205.9   | 2   |
|  | P S P     | 85.8    | 3  | 95.6    | 11  | 105.3   | 10 | 109.8   | 4   | 118.2   | 8   |
|  | P S P     | 32.4    | 11 | 38.4    | 19  | 45.7    | 19 | 48.5    | 6   | 50.7    | 5   |
|  | P E       | 18.7    | 3  | 22.5    | 20  | 24.0    | 7  | 25.5    | 6   | 25.9    | 2   |
|  |           | 274.3   | 0  | 312.1   | 14  | 347.2   | 12 | 386.6   | 11  | 400.7   | 4   |
|  |           | 2,516.2 | 7  | 2,779.8 | 10  | 3,026.9 | 9  | 3,265.1 | 8   | 3,245.3 | 1   |

PVC가 3 200 6% PP 3 5400 5%, PET 12 5800 8% 가 , HDPE 11%(10 4200 ), PP 28%(6 5000 ), PS 11%(15 4400 ) . PS 2%(20 5900 ), PSP 8%(11 8200 ), PSP 5%(5 700 ), PE 2%(2 5900 ) 가 .

가

< 3>

( : , 1000 , %, )

|  | 1987   |       |        |       | 1988   |       |        |       | 1989   |       |
|--|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|  |        |       |        |       |        |       |        |       |        |       |
|  | 24,843 |       | 10,492 |       | 26,128 |       | 11,156 |       | 26,967 |       |
|  | (0)    | 46.2  | (5)    | 55.3  | (5)    | 45.4  | (6)    | 55.3  | (3)    | 44.6  |
|  | 220    |       | 45     |       | 210    |       | 40     |       | 208    |       |
|  | ( 9)   | 0.4   | ( 4)   | 0.3   | ( 5)   | 0.5   | ( 5)   | 0.2   | ( 1)   | 0.3   |
|  | 11,896 |       | 2,516  |       | 13,360 |       | 2,780  |       | 14,678 |       |
|  | (8)    | 22.1  | (7)    | 13.3  | (12)   | 23.2  | (10)   | 13.8  | (10)   | 24.3  |
|  | 8,185  |       | 1,922  |       | 8,835  |       | 2,048  |       | 9,230  |       |
|  | (7)    | 15.2  | (8)    | 10.1  | (8)    | 15.3  | (7)    | 10.2  | (4)    | 15.3  |
|  | 2,231  |       | 2,201  |       | 2,261  |       | 2,303  |       | 2,477  |       |
|  | (2)    | 4.1   | (2)    | 11.6  | (1)    | 3.9   | (5)    | 11.4  | (10)   | 4.1   |
|  | 3,638  |       | 1,542  |       | 3,711  |       | 1,574  |       | 3,561  |       |
|  | ( 5)   | 6.8   | ( 6)   | 8.1   | (2)    | 6.4   | (2)    | 7.8   | (—)    | 5.9   |
|  | 276    |       | 176    |       | 312    |       | 201    |       | 378    |       |
|  | ( 8)   | 0.5   | ( 5)   | 0.9   | (13)   | 0.5   | (14)   | 1.0   | (—)    | 0.6   |
|  | 2,513  |       | 69     |       | 2,740  |       | 71     |       | 2,953  |       |
|  | (3)    | 4.7   | (29)   | 0.4   | (9)    | 4.8   | (2)    | 0.3   | (8)    | 4.9   |
|  | 53,802 |       | 18,963 |       | 57,557 |       | 20,173 |       | 60,452 |       |
|  | (2)    | 100.0 | (4)    | 100.0 | (7)    | 100.0 | (6)    | 100.0 | (5)    | 100.0 |
|  | 1989   |       | 1990   |       |        | 1991  |        |       |        |       |
|  |        |       |        |       |        |       |        |       |        |       |
|  | 11,675 |       | 27,695 |       | 12,122 |       | 28,645 |       | 12,248 |       |
|  | (5)    | 55.1  | (2)    | 42.8  | (4)    | 54.6  | (3)    | 43.2  | (1)    | 55.1  |
|  | 39     |       | 217    |       | 40     |       | 204    |       | 37     |       |
|  | ( 1)   | 0.2   | (4)    | 0.3   | (0)    | 0.2   | ( 6)   | 0.3   | ( 6)   | 0.2   |
|  | 3,027  |       | 16,799 |       | 3,265  |       | 16,851 |       | 3,245  |       |
|  | (9)    | 14.3  | (14)   | 26.0  | (8)    | 14.7  | (0)    | 25.4  | ( 1)   | 14.6  |
|  | 2,195  |       | 10,001 |       | 2,369  |       | 10,279 |       | 2,423  |       |
|  | 7()    | 10.4  | (8)    | 15.4  | (8)    | 10.7  | (4)    | 15.5  | (2)    | 10.9  |
|  | 2,461  |       | 2,595  |       | 2,597  |       | 2,499  |       | 2,419  |       |
|  | (7)    | 11.6  | (5)    | 4.0   | (6)    | 11.7  | (4)    | 3.8   | ( 7)   | 10.9  |
|  | 1,468  |       | 3,729  |       | 1,470  |       | 3,813  |       | 1,495  |       |
|  | (—)    | 7.0   | (5)    | 5.8   | (0)    | 6.6   | (2)    | 5.8   | (2)    | 6.7   |
|  | 237    |       | 439    |       | 257    |       | 513    |       | 279    |       |
|  | (—)    | 1.1   | (16)   | 0.7   | (8)    | 1.2   | (17)   | 0.8   | (9)    | 1.3   |
|  | 68     |       | 3,230  |       | 70     |       | 3,468  |       | 70     |       |
|  | ( 4)   | 0.3   | (9)    | 5.0   | (3)    | 0.3   | (7)    | 5.2   | (0)    | 0.3   |
|  | 21,170 |       | 64,705 |       | 22,190 |       | 66,272 |       | 22,216 |       |
|  | (5)    | 100.0 | (7)    | 100.0 | (5)    | 100.0 | (2)    | 100.0 | (0)    | 100.0 |

) :

EPS( )

,

가

가

95

가 · OA

25%

PVC

PVC

· PVC

· PVC

PVC

PET

PET

5000

가

가

< 1992/12/1>