

Polypropylene

(2)

Polypropylene(P.P.) 가 가

1) P.P

vanderwaals () .

2) P.P. 가

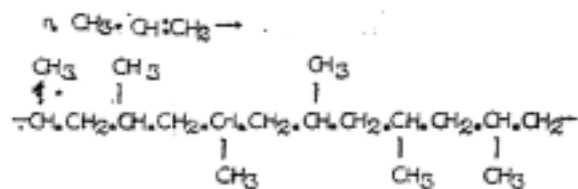
() atactic polypropylene

I.C.I

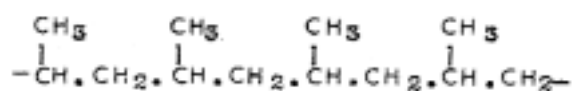
() isotactic Polypropylene 1955 G..Natta

aluminium triethyl titanium trichloride Ziegler-Natta

가



(I) atactic Polypropylene



(II) isotactic Polypropylene

3) P.P.

164~170 ,

160~165 , 가 140~145 , 130

,

.

P.P. 가

,

가 , 가

.

P.P.

.

P.P.

P.P.

,

.

가

가

가 .

가 , , ,

, dry cleaning

가 . 가 vat

가 가 . Vat vat

padding

가

,

. vat

Thermosol

.

cellulose vat

cellulose-P.P.

,

가 .

P.P.

,

azo

anthraquinone

P.P. ,

. P.P.

valence ,

, 가

, alkali

alkali 가

, , ,

.

P.P.

Allied chemical (), Acna (), , , , ,

가 .

가 ,

. P.P. 1 .

< 1> P.P.

Acna ()	Polisetile
National Aniline	National P.P. (1 st generation)
I.C.I.	Dispersol Duranol P.P.
	Miketon P.P.
	Sumiplene
	Kayalon polyol
	Aizen P.P.
Ciba	Diapolon
	Uvitex ER
"	Whitex NKR "
	Igeta Binder BLW
	BLP "

P.P

P.P. .

1)

2)

3)

4) graf

5) , Graft

6)

P.P.

, chelate 가

, cost

(; Ca, Ba, Zn, Al, Cu, Mg, Ni, Cr) 가 , Chrome,

, chelate . 가

0.04~0.12% P.P.

.

.

Alkali[Soda tetra sodium Pyrophosphate($\text{Na}_4\text{P}_2\text{O}_7$)] PH8.0~9.0

1.0~2.0%

0.3~1.0%

P.P. 160~180 20~30

260 (max.) .

0.25~1.0% PH 3.5~4.5()

National Aniline	National P.P. (2 nd generation)
Otto B. May	Mayfon
Koppers	Koprolene
Bayer	Verona P.P.