

F0263093

Z0012783

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Ethylene

75%

Poly Ethylene PE $-\text{[-CH}_2\text{-CH}_2\text{-]}_n\text{-}$
PE PP PVC PS ABS 40%

PE
PE
LLDPE HDPE LDPE MDPE
PE
PE 1922 ICI
PE 1939


1977

LLDPE

PE

PE

Linear Low Density Poly Ethylene LLDPE
0.915-0.940/ 20-50
110-125
High Density Poly Ethylene HDPE
0.940-0.976 / 4-30
142 180-230
Lower Density Poly Ethylene LDPE
0.91-0.93 / 2-30
105-115

1	2
	<h2 style="margin: 0;">Polyethylene</h2> $\left(\begin{array}{cc} \text{H} & \text{H} \\ & \\ -\text{C} & -\text{C}- \\ & \\ \text{H} & \text{H} \end{array} \right)_n$

PE

PE

PE

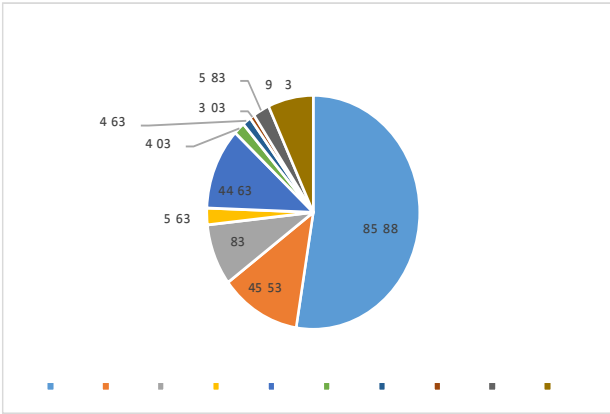

2-4

9-11 7

3-4

9-12

8-9

3 PE	4 PE
	

2021 PE
18%

44.4%

14000
80%

LLDPE

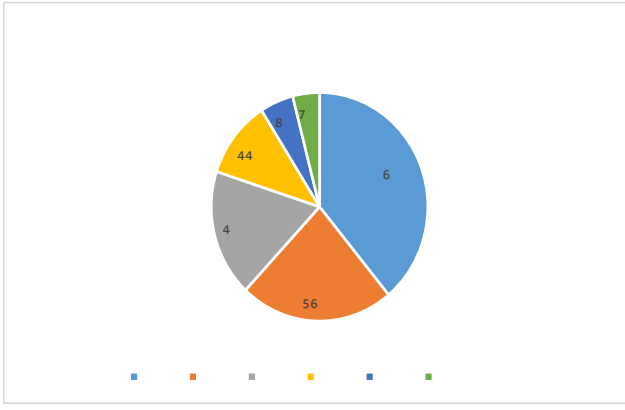
39%
HDPE

33% LDPE

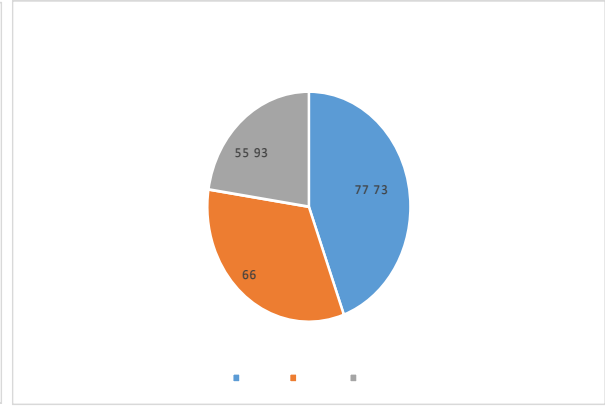
23%

22.6%

5



6



2021 PE 2736 2017-2021 PE 2014
13.49%

2015-2019
2020 19.33% 2021 PE 2736 2022 PE 18%
23% 67%

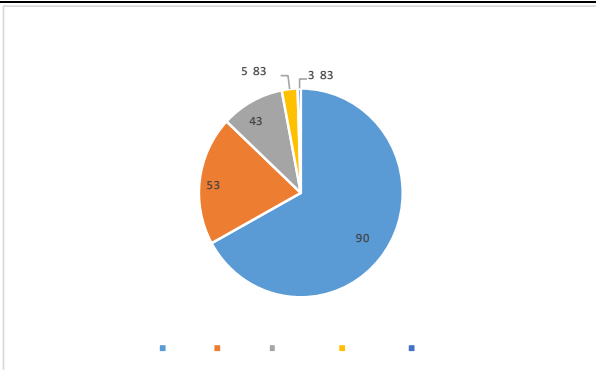
C/MTO 20%

C/MTO

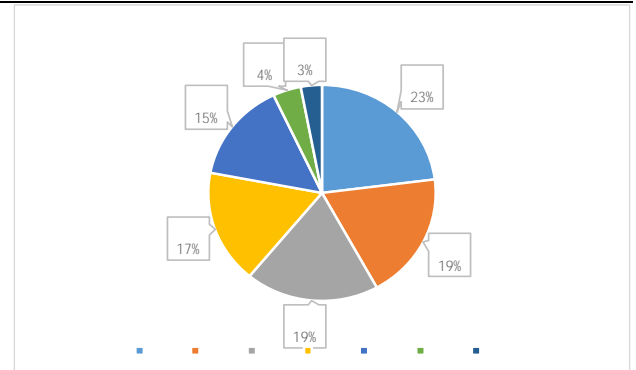
" " " "

PE LLDPE HDPE
85% HDPE 50% LLDPE 35%

7



8



PE 40%-50%

PE
2021-2022

2017-2020

PE
LLDPE
HDPE
70% LDPE

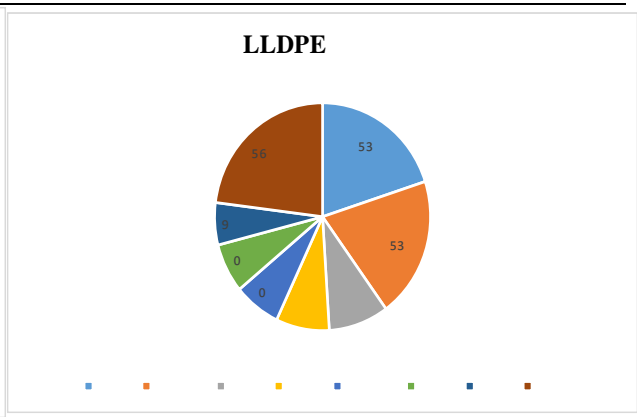
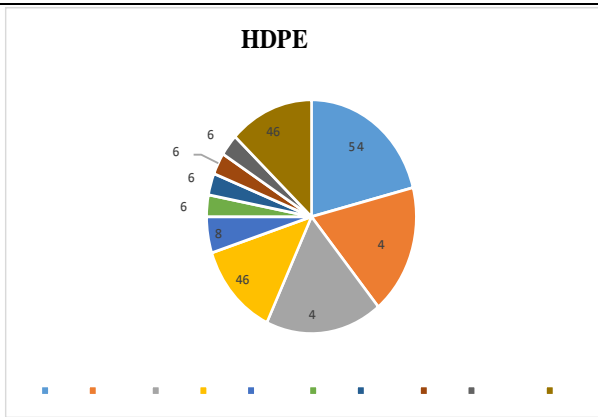
PE
PE

2021 PE 10-12% 12% 2021

PE 80%-90%

9 HDPE

10 LLDPE

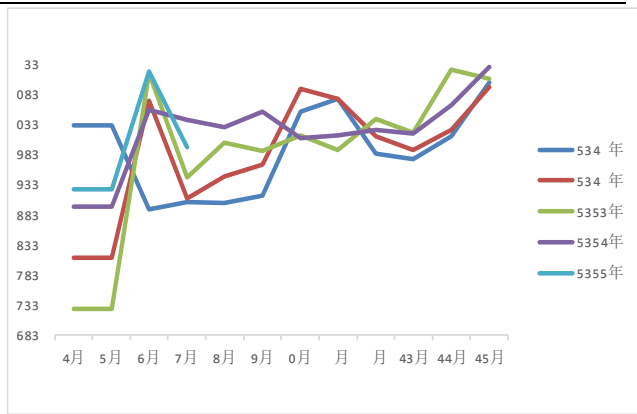
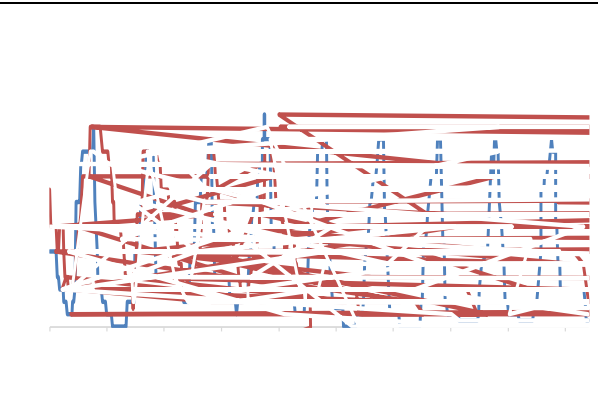


11

2-4

12

9-11 7



(Propylene)

C3H6

Poly Propylene PP ,

PP

0.91g/cm3()
80-100

PP

PP

PP

PE

PE

PP

PP

PP

PP

PP

PP

PDH

PP

PP

PP

PE

PP

PP

PE

PP

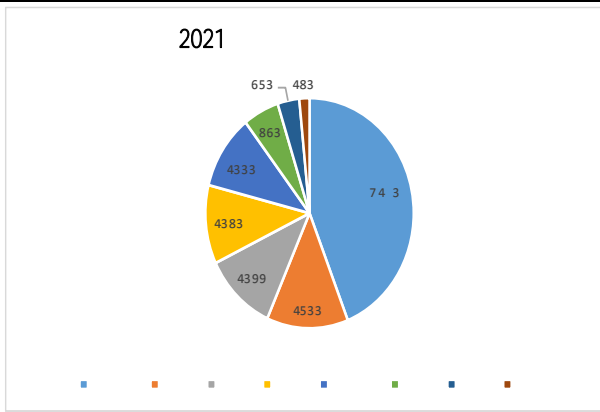
BOPP

13 PP

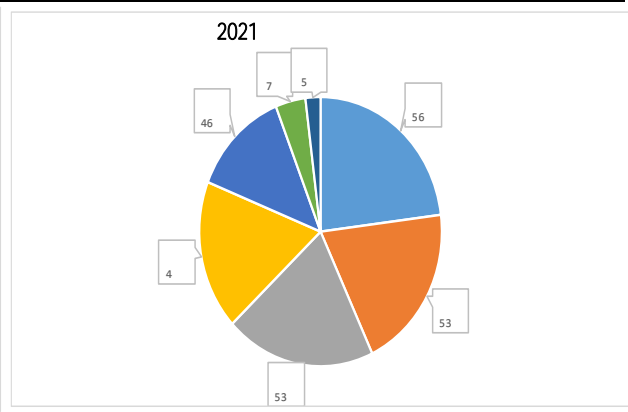


	2021	PP	9500	4180
	44%			75%
PP			80-90%	
	PP	269	2022Q1	13%
PP		12%	PP	

14 2021



15 2021



PP	70%	35%
		BOPP
10%		

32%

23%

21%

PP

2020

LDPE

LDPE

LLDPE LDPE

-r6811DPE
EVA

LLDPE

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