

AMUT

Output sorting line
per shift
one shift
volume before shredder
volume after shredder

Washing Line rigid / PE film

date 02.02.2015
Sorting hall

Buffers in
Sorting
Plant

operation time Sorting

forklift

Storage

Direct Input Bales
with loader

Bypass shredder
HDPE, PP

film 4 t/h / rigid 5 t/h
60-80 mm

magnet

Operation time washing output infeed buffer

5,0 t/h 89 min
100 kg/m³ 7,4 t

5,0 t/h 107 min
120 kg/m³ 8,9 t

2,0 t/h 78 min
35 kg/m³ 2,6 t

Infeed dosing splitting Buffer PE film, HDPE, PP 74 m³

infeed control belt weighing

1.15 Pre washer

1.17 Wet Grinder

1.19 Drainage Screw

1.21 Friction Hot Wash

1.21 Screw

1.25 rinsing unit

1.26 Separation Step (mix. Tank Centrifuge)

dewatering step (start-stop)

1.28 Thermal Dryer

1.33 Wind Shifter

1.30 Thermal Blow

1.31 Buffer film

3.0 Extruder Pelletizing

7. Blending Silo HDPE/PP

Blending Silo PP

7. Blending Silo LDPE

16.0 1 x BigBag Infeed
regrenulat Station

8.0 2 x BigBag Filling
regrenulat Station

8.1 Truck Loading
regrenulat Station

4.04 1 x BigBag Infeed
flake Station

4.03 2 x BigBag Filling
flake Station

to blend input extruder
and sep. input to extruder

separat product for sell 3 D flakes

max. 80% output wash

70% output wash

operation PE film: Bypass Shifter

operation HDPE:
PE Film in buffer film

operation PP:
PP Film to waste

to incineration

water temperature 70-80 °C
residence time
film 5 min rigid 20 min

over flow

Hot Water Cycle 2
with heat changer

Filtration

1 per line Filtration

1 per line

Water Cycle

heavy fraction

waste to incineration

waste to incineration

waste to incineration

to incineration

Flytskjema
plastvaskeanlegg
(firma AMUT)

capacity extruder
PE film 1,5 t/h 11,3 t/shift
HDPE, PP 1,8 t/h 13,5 t/shift

25 kg/m³ 1,9 t
1.31 Buffer film
74 m³

250 kg/m³ 15,0 t
1.36 Buffer rigid
2 x 30 m³

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blend bad charge

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to blend input extruder
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separat product for sell 3 D flakes

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one shift
volume before shredder
volume after shredder

HDPE
0,45 t/h
3,4 t/d
123 m³
68 m³

55 kg/m³
ca. 80 mm

shredder HDPE

28,8 Oh

100 kg/m³
13,0 t

3,8 shifts

Buffer HDPE 130 m³

50 kg/m³
ca. 80 mm

shredder PP

17,4 Oh

120 kg/m³
15,6 t

2,3 shifts

Buffer PP 130 m³

2 shifts sorting 2 x 130 m³

7,3 Oh

3,3 t

Buffer HDPE 60 m³

3,3 Oh

3,0 t

Buffer PP 60 m³

0,8 Oh

25 kg/m³
2,0 t

Buffer PE Film

PE film
2,54 t/h
19,1 t/d
direct

Baler

Feeding Belt

Shredder

magnet

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