

Mass Balance Flat Panel Displays

Mass fraction Output BLUBOX

Mass fraction Output 1-6 and Dust		
Description		Mass [%]
Output 1	Magnetic fraction	37.0
Output 2	Fine fraction <3mm (non magnetic)	5.1
Output 3	Mixed fraction (non magnetic)	6.3
Output 4	Mixed fraction (non magnetic)	19.4
Output 5	Mixed fraction (non magnetic)	10.3
Output 6	Mixed fraction (non magnetic)	19.0
Dust C	Fluorescent powder, fine dust (Cyclone)	1.3
Dust F	Fluorescent powder, fine dust (Dust filter)	1.6
Total		100.0

* Data's from treatment test of LCD done Oct. 15th 2013 at MTB

Composition Output 3 -6

Description	Mass [%]
Aluminum, Stainless steel	14.9
Printed circuit boards (PCB) / Copper	8.8
Liquid crystal glass	8.6
PMMA	20.8
Mixed plastics	46.9
Total	100.0

* Data's from sorting test of BB3-5 done Nov. 27th 2013 at AM

Mass balance FPD

Description		Mass [%]
Output 1	Magnetic fraction	37.0
Output 2	Fine fraction <3mm (non magnetic)	5.1
Output 3-6	Aluminum, CrNi	8.2
	Printed circuit boards (PCB) / Copper	4.8
	Liquid crystal glass	4.7
	PMMA	11.4
	Mixed plastics	25.8
Dust C	Fluorescent powder, fine dust (Cyclone)	1.3
Dust F	Fluorescent powder, fine dust (Dust filter)	1.6
Total		100.0

Price/mt [EUR]	Revenue/mt [EUR]
300.00	111.00
600.00	30.60
900.00	73.76
3000.00	145.20
0.00	0.00
500.00	57.20
0.00	0.00
-1400.00	-18.20
-1400.00	-22.40
Total	377.16

Mass Balance Fluorescent Lamps

Mass fraction Output BLUBOX

Description		Mass [%]
Output 1	Magnetic fraction	2.2
Output 2	Glass fine	5.4
Output 3	Glass fraction	25.5
Output 4	Glass fraction	51.5
Output 5	Glass fraction	8.3
Output 6	End caps (Aluminium)	2.1
Dust C	Fluorescent powder, fine dust (Cyclone)	3.3
Dust F	Fluorescent powder, fine dust (Dust filter)	1.7
Total		100.0

Price/mt [EUR]	Revenue/mt [EUR]
400.00	8.80
20.00	1.08
20.00	5.10
20.00	10.30
20.00	1.66
800.00	16.80
-200.00	-6.60
400.00	6.80
Total	43.94